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CALIFORNIA. DEPT. OF NATURAL
RESOURCES. DIVISION OF MINES.

BULLETIN.
no. 53



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**MINERAL
PRODUCTIONS
OF
CALIFORNIA**

BULLETIN No. 53

UNIVERSITY OF CALIFORNIA
DAVIS

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CALIFORNIA STATE
MINING BUREAU . .

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LEWIS E. AUBURY
State Mineralogist

Printed at the State Printing Office, Sacramento
W. W. SHANNON, Superintendent

CALIFORNIA MINES AND MINERALS

Compiled from Original Records of the State Mining Bureau.

THE mining interests of the State of California are so diversified, and the industry is extended over so wide an area, that it is difficult to describe the conditions which exist without using many pages of printed matter. For this reason it has been considered proper, in this pamphlet, to give merely a record of results, which will show in plain figures what is being accomplished by the miners of the State. This record shows that some fifty-three mineral substances are being exploited, the annual valuation of which is now \$55,697,949, and increasing as capital is invested and more mines and quarries are opened. The older mines, too, having been well developed and equipped, are increasing their annual output, and thus also proving their permanency and value with depth. For the past twenty-one years the total mineral output of California amounts to \$608,173,892.

The climatic conditions are favorable to mining operations throughout the State, and means of transportation have been so improved as to greatly lessen costs of supplies, etc. There are abundant opportunities for the safe and profitable investment of capital in the various branches of the industry, as numerous claims which have been located have never been properly developed or equipped, their owners lacking the necessary means.

The State Mining Bureau, maintained by State aid, provides numerous publications in the form of bulletins or reports, giving in detail the conditions existing in gold, copper, quicksilver, petroleum, and all the various branches of mining. It also publishes maps of the counties which show the location of all mines, roads, streams, etc. The Bureau is in charge of a State Mineralogist, who has a corps of trained Field Assistants, and an office force as well. There is a fine technical library, and a very large museum showing specimens of all mineral products, suitably arranged for reference. There is also a well-equipped laboratory for the determination of minerals.

The Bureau publishes, among other things, an annual Statistical Bulletin showing by counties the output and value of all substances mined or quarried in California. From the latest bulletin of this character, covering the calendar year 1907, figures and tables given in this pamphlet are taken, in the belief that they will give the best idea of what the mines of the State are producing and what the miners are accomplishing.

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FERRY BUILDING, SAN FRANCISCO, ONE HALF THE UPPER FLOOR OF WHICH IS OCCUPIED BY THE
STATE MINING BUREAU.

(This building is constructed of Colusa sandstone and the reconstructed tower is of reinforced concrete.)

CALIFORNIA STATE MINING BUREAU.

This institution aims to be the chief source of reliable information about the mineral resources and mining industries of California.

It is encouraged in its work by the fact that its publications have been in such demand that large editions are soon exhausted. In fact, copies of them now command high prices in the market.

The publications, as soon as issued, find their way to the scientific, public, and private libraries of all countries.

STATE MINERALOGIST.

The California State Mining Bureau is under the supervision of a State Mineralogist and Board of Trustees.

It is supported by legislative appropriations, and in some degree performs work similar to that of the geological surveys of other states, but its purposes and functions are mainly practical, the scientific work being clearly subordinate to the economic phases of the mineral field, as shown by the organic law governing the Bureau, which is as follows:

SEC. 4. It shall be the duty of said State Mineralogist to make, facilitate, and encourage special studies of the mineral resources and mineral industries of the State. It shall be his duty: To collect statistics concerning the occurrence of the economically important minerals and the methods pursued in making their valuable constituents available for commercial use; to make a collection of typical geological and mineralogical specimens, especially those of economic or commercial importance, such collection constituting the Museum of the State Mining Bureau; to provide a library of books, reports, drawings, bearing upon the mineral industries, the sciences of mineralogy and geology and the arts of mining and metallurgy, such library constituting the Library of the State Mining Bureau; to make a collection of models, drawings, and descriptions of the mechanical appliances used in mining and metallurgical processes; to preserve and so maintain such collections and library as to make them available for reference and examination, and open to public inspection at reasonable hours; to maintain, in effect, a bureau of information concerning the mineral industries of this State, to consist of such collections and library, and to arrange, classify, catalogue, and index the data therein contained, in a manner to make the information available to those desiring it, and to provide a custodian specially qualified to promote this purpose; to make a biennial report to the Board of Trustees of the Mining Bureau, setting forth the important results of his work, and to issue from time to time such bulletins as he may deem advisable concerning the statistics and technology of the mineral industries of this State.

THE BULLETINS.

The field covered by the books issued under this title is shown in the list of publications. Each bulletin deals with only one phase of mining. Many of them are elaborately illustrated with engravings and maps. Only a nominal price is asked, in order that those who need them most may obtain a copy. (See list on last page.)

THE REGISTERS OF MINES.

The Registers of Mines form practically both a State and a County directory of the mines of California, each county being represented in a separate pamphlet. Those who wish to learn the essential facts about any particular mine are referred to them. The facts and figures are given in tabular form, and are accompanied by a topographical map of the county on a large scale, showing location of each mineral deposit, towns, railroads, roads, power lines, ditches, etc.

HOME OF THE BUREAU.

The Mining Bureau occupies the north half of the third floor of the Ferry Building, in San Francisco. On the same floor are the rooms of the California State Board of Trade, and an exhibition instituted by and maintained by the Board of Trade, illustrative of agriculture, horticulture, viticulture, and other industries of California. All visitors and residents are invited to inspect the Museum, Library, and other rooms of the Bureau and gain a personal knowledge of its operations.

THE MUSEUM.

The Museum now contains over 20,000 specimens, carefully labeled and attractively arranged in showcases in a great, well-lighted hall, where they can be easily studied. The collection of ores from California mines is of course very extensive, and is supplemented by many cases of characteristic ores from the principal mining districts of the world. The educational value of the exhibit is constantly increased by substituting the best specimens obtainable for those of less value.

These mineral collections are not only interesting, beautiful, and in every way attractive to the sightseers of all classes, but are also educational. They show to manufacturers, miners, capitalists, and others the character and



MINERAL MUSEUM, CALIFORNIA STATE MINING BUREAU.

quality of the economic minerals of the State, and where they are found. Plans have been formulated to extend the usefulness of the exhibit by special collections, such as one showing the chemical composition of minerals; another showing the mineralogical composition of the sedimentary, metamorphic, and igneous rocks of the State; the petroleum-bearing formations, ore bodies, and their country rocks, etc.

Besides the mineral specimens, there are many models, maps, photographs, and diagrams illustrating the modern practice of mining, milling, and concentrating, and the technology of the mineral industries. An educational series of specimens for high schools has been inaugurated, and new plans are being formulated that will make the Museum even more useful in the future than in the past. Its popularity is shown by the fact that over 120,000 visitors registered last year, while many failed to leave any record of their visit.

THE LIBRARY.

This is the mining reference library of the State, constantly consulted by mining men, and contains about 5000 volumes of selected works, in addition to the numerous publications of the Bureau itself. On its shelves will be found reports on geology, mineralogy, mining, etc., published by states, governments, and individuals; the reports of scientific societies at home and abroad; encyclopædias, scientific papers, and magazines; mining publications, and the current literature of mining ever needed in a reference library.

Manufacturers' catalogues of mining and milling machinery by California firms are kept on file. The Registers of Mines form an up-to-date directory for investor and manufacturer.

The librarian's desk is the general bureau of information, where visitors from all parts of the world are ever seeking information about all parts of California.

READING-ROOM.

This is a part of the Library Department and is supplied with over one hundred current publications. Visitors will find here various California papers and leading mining journals from all over the world.

The Library and Reading-Room are open to the public from 9 A. M. to 5 P. M. daily, except Sundays and holidays.

THE LABORATORY.

This department identifies for the prospector the minerals he finds, and tells him the nature of the wall rocks or dikes he may encounter in his workings; but this department *does not* do assaying nor compete with private assayers. The presence of minerals is determined, but not the percentage present. No charges for this service are made to any resident of the State. Many of the inquiries made of this department have brought capital to the development of new districts. Many technical questions have been asked and answered as to the best chemical and mechanical processes of handling ores and raw material. The laboratory is well equipped.

THE DRAUGHTING-ROOM.

In this room are prepared scores of maps, from the small ones filling only a part of a page, to the largest County and State maps; and the numerous illustrations, other than photographs, that are constantly being required for the Bulletins and Registers of Mines. In this room, also, will be found a very complete collection of maps of all kinds relating to the industries of the State, and one of the important duties of the department is to make such additions and corrections as will keep the maps up to date. The seeker after information inquires here if he wishes to know about the geology or topography of any district; about the locations of the new camps, or positions of old or abandoned ones; about railroads, stage roads, and trails; or about the working drawings of anything connected with mining.

MINERAL STATISTICS.

One of the features of this institution is its mineral statistics. Their annual compilation by the State Mining Bureau began in 1894. No other state in the Union attempts so elaborate a record, expends so much labor and money on its compilation, or secures so accurate a one.

The State Mining Bureau keeps a careful, up-to-date, and reliable but confidential register of every producing mine, mine-owner, and mineral industry in the State. From them are secured, under pledge of secrecy, reports of output, etc., and all other available sources of information are used in checking, verifying, and supplementing the information so gained. This information is published in an annual tabulated, statistical, single-sheet bulletin, showing the mineral production by both substances and counties.

TOTAL MINERAL PRODUCT OF CALIFORNIA FOR 1907.

The following table shows the yield of mineral substances of California for 1907, as per returns received at the State Mining Bureau, San Francisco, in answer to inquiries sent to producers:

	QUANTITY.	VALUE.		QUANTITY.	VALUE.
Asbestos	70 tons	\$3,500	Manganese	1 ton	\$25
Asphalt	79,718 tons	1,058,400	Marble	37,512 cu. ft.	118,066
Bituminous Rock.....	24,122 tons	72,835	Mineral Paint	250 tons	1,720
Borax	106,825,000 lbs.	1,200,913	Mineral Water	2,924,269 gals.	544,016
Cement	1,613,563 bbls.	2,585,577	Natural Gas	169,991 cu. ft.	114,759
Chrome	302 tons	6,040	Paving Blocks	4,604 M	199,347
Clay (Brick)	362,167 M	3,438,951	Petroleum	40,311,171 bbls.	16,783,943
Clay (Pottery)	160,385 tons	254,454	Platinum*	300.07 ounces	6,255
Coal	23,734 tons	55,849	Pyrites	82,270 tons	251,774
Copper	32,602,945 lbs.	6,341,387	Quartz Crystals	4,000 lbs.	10,000
Fuller's Earth	100 tons	1,000	Quicksilver	17,379 flasks	663,178
Gems		232,642	Rubble	744,271 tons	832,713
Gold*	809,213.52 ounces	16,727,928	Salt	88,063 tons	310,967
Granite	399,431 cu. ft.	373,376	Sand (Glass)	11,065 tons	8,178
Gypsum	8,900 tons	57,700	Sandstone	159,573 cu. ft.	148,148
Infusorial Earth	2,531 tons	28,948	Serpentine	1,000 cu. ft.	3,000
Iron Ore	400 tons	400	Silver* (com'l value) ..	1,138,858 ounces	751,646
Lead	164 tons	16,690	Slate	7,000 squares	60,000
Lime	684,218 bbls.	756,376	Tungsten		120,587
Limestone	230,985 tons	406,041	Zinc		10,598
Macadam	1,544,617 tons	1,082,302			
Magnesite	6,405 tons	57,720			
			Total		\$55,697,949

* Figures supplied by U. S. Geological Survey.

In the previous year the total product was valued at \$46,776,085, so that the increase for 1907 is \$8,921,864. The most notable increases in value are in petroleum, copper, asphalt, bituminous rock, cement, brick and pottery clays, lime and limestone, macadam and rubble. For the second time zinc appears among the mineral products of the State.

The total value of the metallic substances (including precious metals) for 1907 was \$24,896,483, which includes gold, silver, pyrites, quicksilver, copper, lead, tungsten, zinc, platinum and chrome. The silver is given in commercial value, or amount received for it by the producers.

The total value of non-metallic substances was \$2,505,000. These substances include borax, coal, mineral waters, salt, infusorial earth, gypsum, magnesite, manganese, mineral paint, fuller's earth, soda, tourmaline, and chrysoprase and other gems.

The total value of the hydrocarbons and gases was \$18,029,937, an increase of \$7,859,664. The hydrocarbons and gases include asphalt, bituminous rock, natural gas, and petroleum. The petroleum price is the average f. o. b. at wells or stations in each county. The number of barrels of oil produced was 40,311,171, valued at \$16,783,943, as against 32,624,000 barrels in 1906, valued at \$9,238,020. The increase in asphalt is large for the year, it now being made in the process of refining the California heavy oils.

The total value of structural materials was \$10,266,529, an increase of \$2,407,403 from the previous year. These materials include brick and pottery clays, Portland cement, lime and limestone, macadam, rubble and concrete rock, paving blocks, marble, granite, standstone, serpentine, slate, and glass-sand.

The relative value of the principal minerals of the State is as follows: First, petroleum; second, gold; third, copper; fourth, clays and their products; fifth, cement; sixth, borax; seventh, lime and limestone.

All the asbestos produced in California in 1907 was from Placer County. Asphalt was produced in the counties of Kern, Los Angeles, Santa Barbara, Alameda, San Luis Obispo, San Francisco, and Ventura. It was almost entirely derived from the refining of petroleum. Bituminous rock was quarried in San Luis Obispo and Santa Cruz counties. Borax was produced in Inyo, San Bernardino, and Ventura counties. Brick clays were utilized in the counties of Alameda, Contra Costa, Fresno, Humboldt, Imperial, Kern, Kings, Los Angeles, Marin, Madera, Mendocino, Merced, Orange, Riverside, Sacramento, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis

Obispo, San Mateo, Santa Barbara, Santa Clara, Shasta, Solano, Sonoma, Tehama, Tulare, and Ventura. Clay for pottery came from Alameda, Amador, Calaveras, Los Angeles, Placer, Riverside, and Sonoma counties. Portland cement was manufactured in Napa, San Bernardino, and Solano. Chrome was mined in Calaveras and Shasta counties. Coal was mined in Alameda, Amador, and Monterey counties. Copper was produced in the counties of Amador, Calaveras, El Dorado, Fresno, Inyo, Los Angeles, Madera, Nevada, Placer, Riverside, San Bernardino, San Diego, Siskiyou, and Shasta. All the fuller's earth came from Kings County. Glass-sand was produced in Monterey County. Gold was mined in thirty-five counties of the State and silver was produced in thirty-four counties. Granite was quarried for building purposes, curbing, etc., in the counties of Madera, Nevada, Placer, Riverside, Sacramento, San Bernardino, San Luis Obispo, San Diego, Tulare, and Tuolumne. Gypsum was derived from Kern, Tulare, and Los Angeles counties, and lead from Inyo, Orange, Madera, Mariposa, San Diego, Siskiyou, Riverside, and San Bernardino counties. Infusorial earth came from Santa Barbara County.

Lime was quarried and burned in the counties of Contra Costa, El Dorado, Kern, Los Angeles, Monterey, Placer, Riverside, Santa Clara, San Luis Obispo, Sonoma, San Benito, San Bernardino, Santa Cruz, Shasta, and Tuolumne; and limestone was quarried for beet-sugar factories, fluxes, paving, etc., in Amador, Contra Costa, El Dorado, Los Angeles, Placer, Calaveras, Kern, San Bernardino, Santa Barbara, Santa Clara, Siskiyou, Plumas, Santa Cruz, and Shasta counties.

Marble was quarried in Inyo, San Bernardino, Los Angeles, Riverside, San Diego, and Tuolumne counties. Macadam quarries were operated in the counties of Alameda, Colusa, Contra Costa, Los Angeles, Riverside, Sacramento, San Benito, San Bernardino, San Francisco, San Mateo, Santa Cruz, Solano, San Luis Obispo, and Sonoma. The mineral paint came from Stanislaus County. Manganese came only from Plumas County. Magnesite was mined in Alameda, Riverside, and Tulare counties.

Mineral waters were bottled and sold from springs in the counties of Butte, Colusa, Lake, Los Angeles, Mendocino, Monterey, Napa, San Benito, Santa Barbara, Santa Clara, San Luis Obispo, San Diego, Shasta, Sierra, Siskiyou, Solano, Sonoma, Tehama, and Yuba. Natural gas was commercially utilized in Sacramento, San Joaquin, Santa Barbara, Solano, and Ventura counties. Paving blocks were quarried and made in Riverside, San Bernardino, Solano, and Sonoma counties. Petroleum was derived from the counties of Fresno, Kern, Los Angeles, Orange, Santa

Barbara, Santa Clara, and Ventura. Platinum was found in small quantities in the following counties: Butte, Calaveras, Humboldt, Placer, Plumas, Sacramento, and Trinity. Alameda and Shasta counties furnished all the output of pyrites.

Quicksilver was produced in Colusa, Lake, Napa, San Benito, San Luis Obispo, Santa Clara, Solano, Sonoma, and Trinity counties. Rubble was quarried in the counties of Alameda, Los Angeles, Marin, Napa, Placer, Riverside, San Bernardino, Sacramento, San Diego, Santa Barbara, San Mateo, Solano, San Francisco, and Ventura.

Salt came from Alameda, Colusa, Los Angeles, San Diego, Solano, and San Mateo. Sandstone was quarried in Colusa, Los Angeles, San Luis Obispo, Santa Barbara, and Siskiyou counties. The serpentine came from Los Angeles County, and the slate from El Dorado. The gems (including hyacinth, beryl, topaz, kunzite, tourmaline, and chryso-prase) came from Riverside, Sonoma, Tulare, and San Diego counties.

TOTAL GOLD PRODUCT OF CALIFORNIA—1848-1907.

While gold is next to the leading mining product, according to the gold production figures of the U. S. Geological Survey, its yield no longer puts the greatest gold-producing county in the first place. The copper of Shasta County, together with its other mineral products, gives it the leading place as a mineral-producing county. Gold is more widely distributed than any other substance thus far mined in California: 35 counties out of the 58 in the State showing a gold yield in 1907, and it is known to exist in several others.

The following table shows the total gold yield of California, by years, from the time mining commenced in 1848 to 1907, inclusive: *

1848.....	\$245,301	1864.....	\$24,071,423	1880.....	\$20,030,761	1896.....	\$17,181,562
1849.....	10,151,360	1865.....	17,930,858	1881.....	19,223,155	1897.....	15,871,401
1850.....	41,273,106	1866.....	17,123,867	1882.....	17,146,416	1898.....	15,906,478
1851.....	75,938,232	1867.....	18,265,452	1883.....	24,316,873	1899.....	15,336,031
1852.....	81,294,700	1868.....	17,555,867	1884.....	13,600,000	1900.....	15,863,355
1853.....	67,613,487	1869.....	18,229,044	1885.....	12,661,044	1901.....	16,989,044
1854.....	69,433,931	1870.....	17,458,133	1886.....	14,716,506	1902.....	16,910,320
1855.....	55,485,395	1871.....	17,477,885	1887.....	13,588,614	1903.....	16,471,264
1856.....	57,509,411	1872.....	15,482,194	1888.....	12,750,000	1904.....	19,109,600
1857.....	43,628,172	1873.....	15,019,210	1889.....	11,212,913	1905.....	19,197,043
1858.....	46,591,140	1874.....	17,264,836	1890.....	12,309,793	1906.....	18,732,452
1859.....	45,846,599	1875.....	16,876,009	1891.....	12,728,869	1907.....	16,727,928
1860.....	44,095,163	1876.....	15,610,723	1892.....	12,571,900		
1861.....	41,884,995	1877.....	16,501,268	1893.....	12,422,811	Total...	\$1,469,513,691
1862.....	38,854,668	1878.....	18,839,141	1894.....	13,923,281		
1863.....	23,501,736	1879.....	19,626,654	1895.....	15,334,317		

* Figures for 1906 and 1907 by U. S. Geological Survey.

BANNER COUNTIES IN DIFFERENT MINERAL PRODUCTS—1907.

As far as the "banner" counties in the different mineral products are concerned, the following is the record for 1907, with the value of the material in which the county leads. It should be explained, however, that certain substances are put under the heading of "unapportioned," which includes product of single mines, etc., in counties, so as to conceal their identity. For this reason it is necessary to put under this heading borax, coal, Portland cement, some gold and silver, and a few other substances formerly credited to certain counties. This causes an apparent.

but not real, falling off in output of Alameda, Amador, Monterey, Inyo, Lassen, Solano, Napa, San Bernardino, Ventura, and a few other counties where these "unapportioned" substances occur. If credited to the exact county, where there is only a single operator, private business would be made public. Under these circumstances, the figures of value of output in some counties do not actually represent their relative rank in 1907, as some of the products may be placed under "unapportioned." Moreover, some counties lead in output of some substances placed in the "unapportioned" column, and these substances do not therefore appear after the name of the county, thus reducing the county total.

Alameda County leads in macadam (\$461,726) and salt (\$163,127); Butte in gold (\$2,786,840); Colusa in sandstone (\$78,259); El Dorado in slate (\$60,000); Inyo in lead (\$13,096); Kern in petroleum (\$4,673,867); Lake in mineral waters (\$130,936); Los Angeles in asphalt (\$353,423), brick clays (\$826,831), gypsum (\$50,000), and serpentine (\$3,000); Madera in granite (\$93,372); Placer in asbestos (\$3,500); Riverside in clay (\$174,713); San Benito in quicksilver (\$292,878); San Diego in gems (\$206,336); Monterey in glass-sand (\$8,178); Santa Cruz in bituminous rock (\$64,707), and lime (\$241,179); Santa Barbara in infusorial earth (\$28,948); Shasta in copper (\$5,568,873), pyrites (\$197,364), silver (\$370,211), and chrome (\$5,200); Sonoma in paving blocks (\$112,797); Stanislaus in mineral paint (\$1,720); Tuolumne in marble (\$60,120). The unapportioned list includes borax, cement, coal, tungsten, and some gold and silver; so none of these substances are considered in making up the leading products of the individual counties.

To show the wide distribution of mineral substances in California an analysis of the statistics for 1907 proves that gold was produced in 35 counties; asphalt in 7; chrome in 2; brick clays in 29; pottery clay in 7; copper in 13; gems in 4; granite in 8; lead in 6; lime and limestone in 18; macadam in 15; marble in 6; mineral water in 19; natural gas in 5; paving blocks in 4; petroleum in 8; quicksilver in 9; rubble in 14; salt in 6; sandstone in 4, and silver in 34. In certain instances other substances are mined or quarried in only one county.

QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA—1907.

ASBESTOS.	QUANTITY.	VALUE.
Placer County	70 tons	\$3,500

ASPHALT.

Alameda County	1,416 tons	\$14,400
Contra Costa County	2,057 tons	21,870
Kern County	20,443 tons	260,158
Los Angeles County.	26,610 tons	353,423
Santa Barbara Co...	19,192 tons	258,549
San Luis Obispo Co..	6,000 tons	90,000
San Francisco Co....	4,000 tons	60,000
Totals	79,718 tons	\$1,058,400

BITUMINOUS ROCK.

Santa Cruz County..	21,955 tons	\$64,707
San Luis Obispo Co..	2,167 tons	8,128
Totals	24,122 tons	\$72,835

BORAX.

Unapportioned	53,412 tons	\$1,200,913
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CEMENT.

Unapportioned	1,613,563 bbls.	\$2,585,577
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CHROME.	QUANTITY.	VALUE.
Calaveras County ...	42 tons	\$840
Shasta County	260 tons	5,200
Totals	302 tons	\$6,040

CLAYS—BRICK.

(Includes Common, Pressed, and Fire.)

Alameda County ...	28,770 M	\$474,350
Contra Costa County	48,573 M	403,564
Fresno County	9,230 M	57,300
Humboldt County ..	140 M	1,400
Imperial County	1,000 M	10,000
Kern County	2,168 M	18,428
Kings County	1,000 M	8,000
Los Angeles County.	101,079 M	895,272
Marin County	16,000 M	118,000
Madera County	1,250 M	12,500
Mendocino County...	400 M	4,000
Merced County	1,250 M	12,500
Orange County	3,176 M	26,000
Riverside County ...	3,800 M	102,000
Sacramento County..	16,078 M	128,624
San Bernardino Co..	1,665 M	15,555
San Diego County...	4,474 M	36,430
San Francisco Co....	44,518 M	434,140
San Joaquin County.	12,250 M	81,000

QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA—1907.

CLAYS—BRICK—Continued.	QUANTITY.	VALUE.
San Luis Obispo Co..	2,000 M	\$16,000
San Mateo County..	8,078 M	86,285
Santa Barbara Co..	1,615 M	14,650
Santa Clara County..	30,053 M	255,424
Shasta County	4,500 M	33,000
Solano County	3,000 M	25,000
Sonoma County	11,600 M	133,479
Tehama County	400 M	3,200
Tulare County	2,500 M	20,000
Ventura County	1,600 M	12,800
Totals	362,167 M	\$3,438,951

CLAYS—POTTERY.

Alameda County	12,610 tons	\$14,299
Amador County	12,465 tons	13,992
Calaveras County ...	50 tons	250
Los Angeles County..	17,900 tons	20,500
Placer County	20,000 tons	20,000
Riverside County ...	87,260 tons	174,713
Sonoma County	10,500 tons	10,700
Totals	160,385 tons	\$254,454

COAL.

Unapportioned	23,734 tons	\$55,849
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COPPER.	QUANTITY.	VALUE.
Amador County	5,300 lbs.	\$1,020
Calaveras County ...	3,941,883 lbs.	609,203
El Dorado County...	606 lbs.	120
Fresno County	250,000 lbs.	50,000
Inyo County	6,779 lbs.	1,356
Los Angeles County..	849 lbs.	169
Madera County	1,895 lbs.	379
Nevada County	22,082 lbs.	4,418
Orange County	964 lbs.	193
Riverside County ...	502 lbs.	100
San Bernardino Co..	514,282 lbs.	102,856
Shasta County	27,844,364 lbs.	5,568,873
San Diego	13,246 lbs.	2,659
Siskiyou County	193 lbs.	39
Totals	32,602,945 lbs.	\$6,341,387

FULLER'S EARTH.

Kings County	100 tons	\$1,000
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GEMS.

Riverside County	\$50
San Diego County.....	206,336
Sonoma County	50
Tulare County	26,206

Total	\$232,642
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QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA—1907.

GLASS SAND.	QUANTITY.	VALUE.
Monterey County ...	11,065 tons	\$8,178

GOLD.	VALUE.
Amador County	\$2,116,182
Butte County	2,786,840
Calaveras County	1,097,974
Colusa County	734
Del Norte County.....	878
El Dorado County.....	319,177
Fresno County	2,401
Humboldt County	40,109
Inyo County	57,241
Kern County	878,798
Lassen and Los Angeles Counties (un- apportioned) .....	.....
Madera County	13,303
Mariposa County	405,498
Meredd County	822
Mono County	383,971
Monterey County	1,076
Nevada County	2,162,083
Orange County (unapportioned).....	.....
Placer County	482,772
Plumas County	219,355
Riverside Comnty	3,836
Sacramento County	790,973

GOLD—Continued.	VALUE.
San Bernardino County.....	\$158,676
San Diego County.....	7,455
San Luis Obispo County.....	316
Shasta County	791,997
Sierra County	483,904
Siskiyou County	398,017
Stanislaus County	3,364
Trinity County	535,316
Tuolumne County	806,876
Ventura County (unapportioned).....	.....
Yuba County	1,766,770
Unapportioned	11,214
Total	\$16,727,928

GRANITE.	QUANTITY.	VALUE.
Fresno County	9,200 cu. ft.	\$10,500
Madera County	99,278 cu. ft.	93,372
Nevada County	12,840 cu. ft.	9,300
Placer County	103,904 cu. ft.	94,459
Riverside County ...	124,977 cu. ft.	134,522
Sacramento County..	26,105 cu. ft.	4,625
San Bernardino Co..	3,227 cu. ft.	2,948
San Diego County...	19,900 cu. ft.	23,650
Totals	399,431 cu. ft.	\$373,376

QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA-1907.

GYPSUM.	QUANTITY.	VALUE.
Kern County	1,000 tons	\$5,500
Los Angeles County.	7,500 tons	50,000
Tulare County	400 tons	2,200
Totals	8,900 tons	\$57,700

INFUSORIAL EARTH.		
Santa Barbara Co...	2,531 tons	\$28,948

IRON ORE.		
Shasta County	400 tons	\$400

LEAD.		
Inyo County	261,140 lbs.	\$13,096
Madera County	896 lbs.	47
Mariposa County ...	1,142 lbs.	60
Orange County	24,472 lbs.	1,303
Riverside County ...	3,206 lbs.	170
San Bernardino Co...	34,211 lbs.	1,822
San Diego County...	971 lbs.	52
Siskiyou County	2,643 lbs.	140
Totals	326,841 lbs.	\$16,690

LIME.	QUANTITY.	VALUE.
Contra Costa County	1,413 bbls.	\$1,413
El Dorado County...	16,198 bbls.	16,198
Kern County	153,003 bbls.	153,003
Los Angeles County.	20,000 bbls.	20,000
Monterey County ...	100,000 bbls.	125,000
Placer County	11,430 bbls.	11,430
Riverside County ...	6,000 bbls.	6,500
San Benito County..	8,453 bbls.	8,453
San Bernardino Co..	8,600 bbls.	8,600
San Luis Obispo Co..	300 bbls.	600
Santa Clara County.	3,500 bbls.	3,500
Santa Cruz County..	213,599 bbls.	241,179
Shasta County	29,222 bbls.	31,900
Siskiyou County	1,000 bbls.	1,000
Sonoma County	1,500 bbls.	2,600
Tuolumne County ..	110,000 bbls.	125,000
Totals	684,218 bbls.	\$756,376

LIMESTONE.		
Amador County	1,000 tons	\$1,200
Calaveras County ...	6,872 tons	16,955
Contra Costa County	22,038 tons	43,038
El Dorado County...	5,394 tons	15,318
Kern County	11,792 tons	16,819
Los Angeles County.	3,500 tons	5,000
Placer County	38,869 tons	79,768

QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA—1907.

LIMESTONE—Continued.

	QUANTITY.	VALUE.
Plumas County	5,000 tons	\$5,000
San Bernardino Co. .	74,709 tons	139,188
Santa Barbara Co. . .	15,000 tons	30,000
Santa Clara County. .	9,460 tons	16,694
Santa Cruz County. . .	6,370 tons	6,000
Shasta County	30,761 tons	30,761
Siskiyou County	220 tons	300
Totals	230,985 tons	\$406,041

MACADAM.

Alameda County . . .	658,901 tons	\$461,726
Colusa County	3,550 tons	3,550
Contra Costa County	286,500 tons	210,250
Los Angeles County. .	32,179 tons	23,625
Riverside County . . .	39,300 tons	28,150
Sacramento County. .	26,252 tons	9,736
San Benito County. . .	104,747 tons	48,661
San Bernardino Co. . .	500 tons	375
San Francisco Co. . . .	96,114 tons	64,988
San Luis Obispo Co. . .	4,080 tons	3,000
San Mateo County. . .	2,111 tons	2,111
Santa Cruz County. . .	15,800 tons	14,800
Solano County	247,873 tons	191,231
Sonoma County	26,710 tons	20,149
Totals	1,544,617 tons	\$1,082,302

MAGNESITE.

	QUANTITY.	VALUE.
Alameda County . . .	3,700 tons	\$33,300
Riverside County . . .	75 tons	1,750
Tulare County	2,380 tons	21,420
Totals	6,405 tons	\$57,720

MANGANESE.

Plumas County	1 ton	\$25
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MARBLE.

Inyo County	1,000 cu. ft.	\$4,000
Los Angeles County. .	1,000 cu. ft.	3,000
Riverside County . . .	3,000 cu. ft.	9,000
San Bernardino Co. . .	6,482 cu. ft.	29,946
San Diego County. . . .	4,000 cu. ft.	12,000
Tuolumne County . . .	22,030 cu. ft.	60,120
Totals	37,512 cu. ft.	\$118,066

MINERAL WATER.

Butte County	21,400 gals.	\$2,140
Colusa County	254,075 gals.	51,233
Lake County	304,340 gals.	130,936
Los Angeles County. .	385,000 gals.	35,100
Mendocino County . . .	45,000 gals.	9,800
Monterey County	120,000 gals.	12,000

QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA—1907.

MINERAL WATER—Cont'd.	QUANTITY.	VALUE.
Napa County	240,000 gals.	\$103,600
San Benito County..	26,000 gals.	2,600
San Diego County...	2,000 gals.	2,000
San Luis Obispo Co..	4,800 gals.	1,000
Santa Barbara Co...	39,480 gals.	24,250
Santa Clara County.	11,374 gals.	2,187
Shasta County	22,000 gals.	55,000
Sierra County	120,000 gals.	12,000
Siskiyou County	725,000 gals.	36,250
Solano County	40,000 gals.	4,000
Sonoma County	12,000 gals.	4,200
Tehama County	550,000 gals.	55,000
Yuba County	1,800 gals.	720
Totals	2,924,269 gals.	\$544,016

MINERAL PAINT.		
Stanislaus County ..	250 tons	\$1,720

NATURAL GAS.		
Sacramento County..	60,225 M cu. ft.	\$52,874
San Joaquin County.	101,000 M cu. ft.	52,723
Santa Barbara Co...	600 M cu. ft.	300
Solano County	6,341 M cu. ft.	6,584
Ventura County	1,825 M cu. ft.	2,278
Totals	169,991 M cu. ft.	\$114,759

PAVING BLOCKS.	QUANTITY.	VALUE.
Riverside County ...	1,173 M	\$55,447
San Bernardino Co..	625 M	28,125
Solano County	108 M	2,978
Sonoma County	2,698 M	112,797
Totals	4,604 M	\$199,347

PETROLEUM.		
Fresno County	9,050,300 bbls.	\$3,620,120
Kern County	15,700,308 bbls.	4,673,867
Los Angeles County.	4,318,739 bbls.	2,633,541
Orange County	2,426,750 bbls.	1,456,050
San Luis Obispo Co..	48,127 bbls.	16,845
Santa Barbara Co...	8,392,623 bbls.	4,166,661
Santa Clara County.	22,100 bbls.	5,525
Ventura County	352,224 bbls.	211,334
Totals	40,311,171 bbls.	\$16,783,943

PLATINUM.		
Unapportioned	300.07 ounces	\$6,255

PYRITES.		
Alameda County ...	16,482 tons	\$54,410
Shasta County	65,788 tons	197,364
Totals	82,270 tons	\$251,774

QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA—1907.

QUICKSILVER.

	QUANTITY.	VALUE.
Colusa County	17 flasks	\$648
Lake County	802 flasks	30,604
Napa County	2,500 flasks	95,400
San Benito County..	7,675 flasks	292,878
San Luis Obispo Co..	2,509 flasks	95,743
Santa Barbara Co...	60 flasks	2,289
Santa Clara County.	2,518 flasks	96,086
Solano County	640 flasks	24,222
Sonoma County	560 flasks	21,369
Trinity County	98 flasks	3,739
Totals	17,379 flasks	\$663,178

RUBBLE.

Alameda County ...	88,499 tons	\$50,881
Los Angeles County.	16,598 tons	13,279
Marin County	57,100 tons	134,111
Napa County	3,000 tons	3,000
Placer County	20,340 tons	24,263
Riverside County ...	140,933 tons	352,933
Sacramento County..	5,600 tons	4,200
San Bernardino Co...	116,569 tons	116,494
San Diego County...	38,000 tons	28,500
Santa Barbara Co...	8,450 tons	4,950
San Francisco Co...	29,722 tons	32,285
Siskiyou County	78,000 tons	39,000
Solano County	5,700 tons	7,937
Ventura County	35,760 tons	20,880
Totals	744,271 tons	\$832,713

SALT.

	QUANTITY.	VALUE.
Alameda County ...	54,922 tons	\$163,127
Colusa County	16 tons	240
Los Angeles County.	12,000 tons	36,000
San Mateo County..	14,000 tons	56,000
San Diego County...	7,000 tons	55,000
Solano County	125 tons	600
Totals	88,063 tons	\$310,967

SANDSTONE.

Colusa County	86,954 cu. ft.	\$78,259
Los Angeles County.	21,196 cu. ft.	19,076
Santa Barbara Co...	39,740 cu. ft.	37,566
Siskiyou County	1,433 cu. ft.	12,897
Yolo County	250 cu. ft.	350
Totals	159,573 cu. ft.	\$148,148

SILVER.

	COM. VALUE.
Amador County	\$13,515
Butte County	8,967
Calaveras County	54,420
Colusa County	8
Del Norte County	3
El Dorado County	2,301
Fresno County	26
Humboldt County	214
Inyo County	44,440

QUANTITY AND VALUE OF MINERAL PRODUCTS OF CALIFORNIA—1907.

SILVER—Continued.

COM. VALUE.

Kern County	\$86,033
Lassen and Los Angeles Counties (unapportioned) .....	.....
Madera County	506
Mariposa County	4,150
Merced County	10
Mono County	29,797
Monterey County	9
Nevada County	17,505
Orange County (unapportioned) .....	.....
Placer County	3,358
Plumas County	948
Riverside County	26
Sacramento County	2,034
San Bernardino County	81,339
San Diego County	35
Shasta County	370,211
Sierra County	2,621
Siskiyou County	3,037
Stanislaus County	28
Trinity County	2,399
Tuolumne County	6,453

SILVER—Continued.

COM. VALUE.

Ventura County (unapportioned) .....	.....
Yuba County	\$6,187
Unapportioned	11,066
Total	\$751,646

SERPENTINE.

QUANTITY.

VALUE.

Los Angeles County.	1,000 cu. ft.	\$3,000
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SLATE.

El Dorado County..	7,000 squares	\$60,000
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TUNGSTEN.

Unapportioned		\$120,587
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ZINC.

Inyo County	144,213 lbs.	\$8,598
Orange County	33,546 lbs.	2,000
Totals	177,759 lbs.	\$10,598

ASSESSED VALUATION, AREA, AND POPULATION OF CALIFORNIA.*

	Grand Total Value of All Property in 1908.	Area, in Square Miles.	Popu- lation 1900.		Grand Total Value of All Property in 1908.	Area, in Square Miles.	Popu- lation 1900.
Alameda County	\$186,892,225	840	130,197	Placer County	\$11,932,139	1,484	15,786
Alpine County	505,430	575	509	Plumas County	5,598,674	2,361	4,657
Amador County	5,549,443	568	11,116	Riverside County	21,874,067	7,008	17,897
Butte County	20,719,555	1,764	17,117	Sacramento County	57,679,076	1,007	45,915
Calaveras County	6,490,982	990	11,200	San Benito County.....	7,062,961	1,476	6,633
Colusa County	13,000,146	1,080	7,364	San Bernardino County...	33,040,625	20,055	27,929
Contra Costa County.....	29,405,603	750	18,046	San Diego County.....	31,447,399	4,377	35,090
Del Norte County.....	3,866,790	1,546	2,408	San Francisco County.....	454,708,331	42	342,782
El Dorado County.....	5,799,292	1,891	8,986	San Joaquin County.....	44,383,619	1,370	35,452
Fresno County	50,486,541	5,940	37,862	San Luis Obispo County...	17,004,669	3,500	16,637
Glenn County	12,027,466	1,400	5,150	San Mateo County.....	26,003,863	470	12,094
Humboldt County	28,507,647	3,507	27,104	Santa Barbara County....	25,380,605	2,450	18,934
Imperial County	7,469,539	4,140	.....	Santa Clara County.....	63,493,913	1,355	60,216
Inyo County	3,939,255	10,224	4,377	Santa Cruz County.....	16,630,115	425	21,512
Kern County	32,308,498	8,159	16,480	Shasta County	15,489,792	4,050	17,318
Kings County	10,120,697	1,257	9,871	Sierra County	2,373,312	910	4,017
Lake County	3,678,861	1,332	6,017	Siskiyou County	17,449,660	6,078	16,962
Lassen County	6,436,035	4,750	4,511	Solano County	20,862,269	911	24,143
Los Angeles County.....	407,666,294	3,957	170,298	Sonoma County	35,403,855	1,540	38,480
Madera County	9,438,553	2,140	6,364	Stanislaus County	17,016,224	1,486	9,550
Marin County	18,569,594	516	15,702	Sutter County	7,283,735	611	5,886
Mariposa County	2,393,904	1,580	4,729	Tehama County	13,519,660	3,200	10,996
Mendocino County	14,948,857	3,460	20,465	Trinity County	2,830,322	3,276	4,383
Merced County	18,041,385	1,750	9,215	Tulare County	25,819,306	4,935	18,357
Modoc County	5,230,186	4,097	5,076	Tuolumne County	7,679,677	2,282	11,166
Mono County	1,278,860	2,796	2,167	Ventura County	13,073,539	1,850	14,367
Monterey County	23,304,612	3,450	19,380	Yolo County	18,298,255	1,017	13,618
Napa County	15,720,270	800	16,451	Yuba County	7,137,557	625	8,620
Nevada County	7,976,508	958	17,789				
Orange County	20,213,109	780	19,696				
				Totals.....	\$1,964,511,229	158,297	1,485,053

* Report of the State Controller.

COUNTY MINERAL PRODUCTS AND VALUE—1907.

ALAMEDA COUNTY.

	QUANTITY.	VALUE.
Asphalt	1,416 tons	\$14,400
Brick	28,770 M	474,350
Clay	12,610 tons	14,299
Macadam	658,901 tons	461,726
Magnesite	3,700 tons	33,300
Pyrites	16,482 tons	54,410
Rubble	88,499 tons	50,881
Salt	54,922 tons	163,127

\$1,266,493

AMADOR COUNTY.

Clay	12,465 tons	\$13,992
Copper	5,300 lbs.	1,020
Gold .....	.....	2,116,182
Limestone	1,000 tons	1,200
Silver .....	.....	13,515

\$2,145,909

BUTTE COUNTY.

Gold .....	.....	\$2,786,840
Mineral Water	21,400 gals.	2,140
Silver .....	.....	8,967

\$2,797,947

CALAVERAS COUNTY.

	QUANTITY.	VALUE.
Chrome	42 tons	\$840
Clay	50 tons	250
Copper	3,941,883 lbs.	609,203
Gold .....	.....	1,097,974
Limestone	6,872 tons	16,955
Quartz Crystals.	4,000 lbs.	\$10,000
Silver .....	.....	54,420

\$1,789,642

COLUSA COUNTY.

Gold .....	.....	\$734
Silver .....	.....	8
Salt	16 tons	240
Sandstone	86,954 cu. ft.	78,259
Mineral Water	254,075 gals.	51,233
Macadam	3,550 tons	3,500
Quicksilver	17 flasks	648

\$134,622

CONTRA COSTA COUNTY.

Brick	48,573 M	\$403,564
Macadam	268,500 tons	210,250
Asphalt	2,057 tons	21,870
Limestone and Lime. ....	.....	44,451

\$680,135

COUNTY MINERAL PRODUCTS AND VALUE—1907.

DEL NORTE COUNTY.	QUANTITY.	VALUE.
Gold .....	.....	\$878
Silver .....	.....	3
		\$881
EL DORADO COUNTY.		
Gold .....	.....	\$319,177
Lime and Limestone.	.....	31,516
Silver .....	.....	2,301
Slate	7,000 squares	60,000
Copper .....	.....	122
		\$413,116
FRESNO COUNTY.		
Brick	9,230 M	\$57,350
Copper	250,000 lbs.	50,000
Gold .....	.....	2,401
Petroleum	9,050,300 bbls.	3,620,120
Silver .....	.....	26
Granite	9,200 cu. ft.	10,500
		\$3,740,397
HUMBOLDT COUNTY.		
Brick	140 M	\$1,400
Gold .....	.....	40,109
Silver .....	.....	214
		\$41,723

IMPERIAL COUNTY.	QUANTITY.	VALUE.
Brick	1,000 M	\$10,000
INYO COUNTY.		
Copper	6,779 lbs.	\$1,356
Gold .....	.....	57,241
Lead	261,140 lbs.	13,096
Marble	1,000 cu. ft.	4,000
Silver .....	.....	44,440
Zinc	144,213 lbs.	8,598
		\$128,731
KERN COUNTY.		
Asphalt	20,443 tons	\$260,158
Brick	2,168 M	18,428
Gold .....	.....	878,798
Lime and Limestone.	.....	169,822
Petroleum	15,700,308 bbls.	4,673,867
Silver .....	.....	86,033
Gypsum	1,000 tons	5,500
		\$6,092,606
KINGS COUNTY.		
Brick	1,000 M	\$8,000
Fuller's Earth	100 tons	1,000
		\$9,000

COUNTY MINERAL PRODUCTS AND VALUE—1907.

LAKE COUNTY.

	QUANTITY.	VALUE.
Mineral Water	304,340 gals.	\$130,936
Quicksilver	802 flasks	30,604
		\$161,540

LOS ANGELES COUNTY.

Asphalt	26,610 tons	\$353,423
Brick	101,079 M	895,272
Clay	17,900 tons	20,500
Copper	849 lbs.	169
Gypsum	7,500 tons	50,000
Lime and Limestone.		25,000
Macadam	32,179 tons	23,625
Marble	1,000 cu. ft.	3,000
Mineral Water	385,000 gals.	35,100
Petroleum	4,318,739 bbls.	2,633,541
Rubble	16,598 tons	13,279
Salt	12,000 tons	36,000
Sandstone	21,196 cu. ft.	19,076
Serpentine	1,000 cu. ft.	3,000

\$4,110,985

MARIN COUNTY.

Brick	16,000 M	\$118,000
Rubble	157,100 tons	134,111

\$252,111

MADERA COUNTY.

	QUANTITY.	VALUE.
Brick	1,250 M	\$1,250
Copper	1,895 lbs.	379
Gold		13,303
Granite	99,278 cu. ft.	93,372
Silver .....	.....	506

\$120,107

MARIPOSA COUNTY.

Gold .....	.....	\$405,498
Lead	1,142 lbs.	60
Silver .....	.....	4,500

\$409,708

MENDOCINO COUNTY.

Brick	400 M	\$4,000
Mineral Water	45,000 gals.	9,800

\$13,800

MERCED COUNTY.

Brick	1,250 M	\$12,500
Gold .....	.....	822
Silver .....	.....	10

\$13,332

COUNTY MINERAL PRODUCTS AND VALUE—1907.

MONO COUNTY.

	QUANTITY.	VALUE.
Gold		\$383,971
Silver		29,797
		\$413,768

MONTEREY COUNTY.

Glass Sand	11,065 tons	\$8,178
Gold .....	.....	1,076
Lime	100,000 bbls.	125,000
Mineral Water	120,000 gals.	12,000
Silver .....	.....	9
		\$146,263

NAPA COUNTY.

Mineral Water	240,000 gals.	\$103,600
Quicksilver	2,500 flasks	95,400
Rubble	3,000 tons	3,000
		\$202,000

NEVADA COUNTY.

Copper	22,082 lbs.	\$4,418
Gold .....	.....	2,162,083
Granite	12,840 cu. ft.	9,300
Silver .....	.....	17,505
		\$2,193,306

ORANGE COUNTY.

	QUANTITY.	VALUE.
Brick	3,176 M	\$26,000
Copper	964 lbs.	193
Lead	24,472 lbs.	1,303
Petroleum	2,426,750 bbls.	1,456,050
Zinc	33,546 lbs.	2,000
		\$1,485,546

PLACER COUNTY.

Asbestos	70 tons	\$3,500
Clay	20,000 tons	20,000
Gold .....	.....	482,772
Granite	103,904 cu. ft.	94,459
Lime	11,430 bbls.	11,430
Limestone	38,869 tons	79,768
Rubble	20,340 tons	24,263
Silver .....	.....	3,358
		\$719,550

PLUMAS COUNTY.

Gold .....	.....	\$219,355
Limestone	5,000 tons	5,000
Manganese	1 ton	25
Silver .....	.....	948
		\$225,328

COUNTY MINERAL PRODUCTS AND VALUE—1907.

RIVERSIDE COUNTY.

	QUANTITY.	VALUE.
Brick	3,800 M	\$102,000
Clay	87,260 tons	174,713
Copper	502 lbs.	100
Gems .....	.....	50
Gold .....	.....	3,836
Granite	124,977 cu. ft.	134,522
Lead	3,206 lbs.	170
Lime	6,000 bbls.	6,500
Magnesite	75 tons	1,750
Macadam	39,300 tons	28,150
Paving Blocks	1,173 M	55,447
Rubble	140,933 tons	352,933
Silver .....	.....	26
		\$869,197

SACRAMENTO COUNTY.

Brick	16,078 M	\$128,624
Gold .....	.....	790,973
Granite	26,105 cu. ft.	4,625
Macadam	26,252 tons	9,736
Natural Gas	60,225 M cu. ft.	52,874
Rubble	5,600 tons	4,200
Silver .....	.....	2,034
		\$993,066

SAN BENITO COUNTY.

	QUANTITY.	VALUE.
Lime	8,453 bbls.	\$8,453
Macadam	104,747 tons	48,661
Mineral Water	26,000 gals.	2,600
Quicksilver	7,675 flasks	292,878
		\$352,592

SAN BERNARDINO COUNTY.

Brick	1,665 M	\$15,555
Copper	514,282 lbs.	102,856
Gold .....	.....	158,676
Granite	3,227 cu. ft.	2,948
Lead	34,211 lbs.	1,822
Lime	8,600 bbls.	8,600
Limestone	74,709 tons	139,188
Macadam	500 tons	375
Marble	6,482 cu. ft.	29,946
Paving Blocks	625 M	28,125
Rubble	116,569 tons	116,494
Silver .....	.....	81,339
		\$685,924

SAN JOAQUIN COUNTY.

Brick	12,250 M	\$81,000
Natural Gas	101,000 M cu. ft.	52,723
		\$133,723

COUNTY MINERAL PRODUCTS AND VALUE—1907.

SAN DIEGO COUNTY.

	QUANTITY.	VALUE.
Brick	4,474 M	\$36,430
Copper	13,246 lbs.	2,659
Lead	971 lbs.	52
Mineral Water	20,000 gals.	2,000
Marble	4,000 cu. ft.	12,000
Gems .....	.....	206,336
Granite	19,900 cu. ft.	23,650
Gold .....	.....	\$7,455
Silver .....	.....	35
Rubble	38,000 tons	28,500
Salt	7,000 tons	\$55,000

\$347,117

SAN FRANCISCO COUNTY.

Asphalt	4,000 tons	\$60,000
Brick	44,518 M	434,140
Macadam	96,114 tons	64,988
Rubble	29,722 tons	32,285

\$591,413

SAN LUIS OBISPO COUNTY.

Asphalt	6,000 tons	\$90,000
Bituminous Rock ...	2,167 tons	8,128
Brick	2,000 M	16,000
Gold .....	.....	316
Lime	300 bbls.	600

SAN LUIS OBISPO—Cont'd.

	QUANTITY.	VALUE.
Macadam	4,080 tons	\$3,000
Mineral Water	4,800 gals.	1,000
Petroleum	48,127 bbls.	16,845
Quicksilver	2,509 flasks	95,743

\$231,632

SAN MATEO COUNTY.

Brick	8,078 M	\$86,285
Macadam	2,111 tons	2,111
Salt	14,000 tons	56,000

\$144,396

SANTA BARBARA COUNTY.

Asphalt	19,192 tons	\$258,549
Brick	1,615 M	14,650
Infusorial Earth ...	2,531 tons	28,948
Limestone	15,000 tons	30,000
Mineral Water	39,480 gals.	24,250
Natural Gas	600 M cu. ft.	300
Petroleum	8,392,623 bbls.	4,166,661
Quicksilver	60 flasks	2,289
Rubble	8,450 tons	4,950
Sandstone	39,740 cu. ft.	37,566

\$4,568,163

· COUNTY MINERAL PRODUCTS AND VALUE—1907.

SANTA CLARA COUNTY.

	QUANTITY.	VALUE.
Brick	30,053 M	\$255,424
Lime	3,500 bbls.	3,500
Limestone	9,460 tons	16,694
Mineral Water	11,374 gals.	2,187
Petroleum	22,100 bbls.	5,525
Quicksilver	2,518 flasks	96,086

\$379,416

SANTA CRUZ COUNTY.

Bituminous Rock ...	21,955 tons	\$64,707
Lime	213,599 bbls.	241,179
Limestone	6,370 tons	6,000
Macadam	15,800 tons	14,800

\$326,686

SHASTA COUNTY.

Brick	4,500 M	\$33,000
Chrome	260 tons	5,200
Copper	27,844,364 lbs.	5,568,873
Gold		791,997
Iron Ore	400 tons	400
Lime	29,222 bbls.	31,900
Limestone	30,761 tons	30,761
Pyrites	65,788 tons	197,364
Silver		370,211

\$7,084,706

SIERRA COUNTY.

	QUANTITY.	VALUE.
Gold		\$483,904
Mineral Water	120,000 gals.	12,000
Silver		2,621

\$498,525

SISKIYOU COUNTY.

Copper	193 lbs.	\$39
Gold		398,017
Lime	1,000 bbls	1,000
Limestone	220 tons	300
Mineral Water	725,000 gals.	36,250
Rubble	78,000 tons	39,000
Sandstone	11,433 cu. ft.	12,897
Silver		3,037

\$490,680

SOLANO COUNTY.

Brick	3,000 M	\$25,000
Macadam	247,873 tons	191,231
Mineral Water	40,000 gals.	4,000
Natural Gas	6,341 cu. ft.	6,584
Paving Blocks	108 M	2,978
Quicksilver	640 flasks	24,422
Rubble	5,700 tons	20,880
Salt	125 tons	600

\$262,752

COUNTY MINERAL PRODUCTS AND VALUE—1907.

SONOMA COUNTY.	QUANTITY.	VALUE.
Brick	11,600 M	\$133,479
Clay	10,500 tons	10,700
Gems .....	.....	50
Lime	1,500 bbls.	2,600
Macadam	26,710 tons	20,149
Magnesite	250 tons	1,250
Mineral Water	220,000 gals.	55,000
Paving Blocks	2,698 M	112,797
Quicksilver	560 flasks	21,369
		\$306,594

STANISLAUS COUNTY.		
Gold	...	\$3,364
Mineral Paint	250 tons	1,720
Silver	...	28
		\$5,112

TRINITY COUNTY.		
Gold .....	.....	\$533,316
Quicksilver	98 flasks	3,739
Silver .....	.....	2,399
		\$541,454

TEHAMA COUNTY.	QUANTITY.	VALUE.
Brick	400 M	\$3,200
Mineral Water	455,000 gals.	55,000
		\$58,200

TULARE COUNTY.		
Brick	2,500 M	\$20,000
Gems .....	.....	26,206
Gypsum	400 tons	2,200
Magnesite (calcined)	2,380 tons	21,420
		\$69,826

TUOLUMNE COUNTY.		
Gold .....	.....	\$806,876
Lime	110,000 bbls.	125,000
Marble	22,030 cu. ft.	60,120
Silver .....	.....	6,453
		\$998,449

VENTURA COUNTY.		
Brick	1,600 M	\$12,800
Natural Gas	1,825 M cu. ft.	2,278
Petroleum	352,224 bbls.	211,334
Rubble	35,760 tons	20,880
		\$247,292

COUNTY MINERAL PRODUCTS AND VALUE—1907.

YOLO COUNTY.		QUANTITY.	VALUE.	UNAPPORTIONED.	VALUE.
Sandstone		250 cu. ft.	\$350	Borax	\$1,200,913
				Cement	2,585,577
YUBA COUNTY.				Coal	55,849
Gold .....	.....		\$1,766,770	Gold	11,214
Mineral Water	1,800 gals.		720	Silver	11,066
Silver .....	.....		6,187	Tungsten	120,587
			\$1,773,677		\$3,991,461

MINERAL PRODUCTS BY COUNTIES, 1900-1907, SUBSTANCES AND VALUES.*

That full justice may be given to all mineralized counties in California, the California State Mining Bureau publishes, herewith, covering a series of years, for the first time, the total values of and details of mineral production, giving to the several counties their proper share of that which has been, heretofore, placed under the general heading of "unapportioned." This new departure will enable all counties to use this publication, properly, for promotion purposes, and, it is obvious, to their legitimate and large advantage. In the annual bulletins the use of the "unapportioned" column is still necessary and will be so always. But there is no reason why the various richly mineralized portions of the State should not have their mineral wealth known, as representing the output of a period, and it is and will be the purpose of this Bureau to spread information of this kind as widely as possible, for the purpose of enlightening those who are seeking for mining investments or places in which to place their capital in plants for the production of such minerals as are common to a large majority of California counties. The Bureau believes that the detailed statements will prove of value to all localities and to the State of California as a whole.

In 1894 the California State Mining Bureau began to keep a record, based on the individual returns of producers, of the annual mineral output of this State. The work is now widened in its scope.

* Unapportioned is not given by years, as such segregation would reveal private business in many instances.

PRODUCTS BY VALUES—1900-1907.

ALAMEDA COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Asphalt								\$14,400	.....
Brick	\$40,000	\$67,130	\$60,000	\$82,400	\$90,000	\$95,500	\$413,750	474,350	.....
Clay							10,000	14,299	.....
Coal	332,066	262,272	203,550						.....
Copper		2,162							.....
Lead			52						.....
Lime				15,000					.....
Macadam	107,551	106,576	185,205	193,498	241,357	441,587	468,937	461,726	.....
Magnesite	180	1,100	500					33,300	.....
Manganese	1,300	4,365	7,140		900				.....
Pyrites		18,000	53,301	88,500	62,992	63,958	56,000	54,410	.....
Rubble		625		7,204	42,824	7,442	27,545	50,881	.....
Salt	158,674	324,136	160,000	143,605	76,340	54,200	126,838	163,127	.....
Sand-Glass							1,750		.....
Unapportioned									\$233,032
Totals	\$639,771	\$786,366	\$666,838	\$530,207	\$514,413	\$662,687	\$1,104,820	\$1,266,493	\$6,404,627

ALPINE COUNTY.

Copper		\$1,319							.....
Gold		23,568	\$10,359	\$2,701	\$4,827	\$575			.....
Silver		2,860	3,770	146	145				.....
Unapportioned									\$5,465
Totals		\$27,747	\$14,129	\$2,847	\$4,972	\$575			\$55,735

PRODUCTS BY VALUES—1900-1907.

AMADOR COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Brick		\$7,000							
Clay	\$9,100	7,100	\$13,728	\$19,460	\$10,770	\$20,000	\$28,119	\$13,992	
Coal	41,215	30,000	10,912						
Copper	34,100	8,190	14,620	900	1,400	1,560	1,669	1,020	
Glass-Sand					750				
Gold	1,373,788	1,823,827	1,629,151	1,609,744	2,060,573	2,445,815	2,260,376	2,116,182	
Lime					1,700	1,500	1,200		
Limestone								1,200	
Marble	5,891	4,630	8,016	5,379	6,558	3,950			
Silver	14,915	7,444	2,686	4,336	4,055	17,930	14,579	13,515	
Unapportioned									\$287,172
Totals	\$1,479,009	\$1,888,191	\$1,679,113	\$1,639,819	\$2,085,806	\$2,490,755	\$2,305,943	\$2,145,909	\$16,001,717

BUTTE COUNTY.

Brick		\$7,200	\$5,000	\$7,200	\$4,020	\$3,200	\$1,300		
Gold	\$485,589	864,978	916,782	1,571,507	1,932,552	2,607,500	3,016,747	\$2,786,840	
Lime	600	1,500	750	250					
Limestone				250					
Mineral Water	1,515	1,455	1,500	1,550	1,512	1,500	1,950	2,140	
Platinum				210	1,000	1,770	475		
Silver	13,082	4,634	2,249	358	2,302	7,134	10,853	8,967	
Unapportioned									\$105,870
Totals	\$500,786	\$879,767	\$926,251	\$1,581,325	\$1,941,386	\$2,621,104	\$3,031,325	\$2,797,947	\$14,385,761

PRODUCTS BY VALUES—1900-1907.

CALAVERAS COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Chrome					\$375	\$300	\$280	\$840	.....
Clay					100	300	50	250	.....
Copper	\$150,585	\$268,000	\$251,062	\$297,263	414,399	572,022	956,315	609,203	.....
Gems						10,000			.....
Gold	1,649,126	2,024,685	2,072,939	1,904,125	1,789,184	1,736,816	1,644,234	1,097,974	.....
Lime					5,500				.....
Limestone						15,430	7,635	16,955	.....
Mineral Paint	3,800	500	778	1,000	385	1,900			.....
Platinum							250		.....
Pyrites	3,583								.....
Quartz Crystals	18,000	17,500						10,000	.....
Silver	80,762	44,687	46,234	68,280	65,611		74,099	54,420	.....
Unapportioned									\$50,075
Totals	\$1,905,856	\$2,355,372	\$2,371,013	\$2,270,668	\$2,275,554	\$2,415,627	\$2,682,863	\$1,789,642	\$18,116,670

COLUSA COUNTY.

Brick		\$2,160			\$1,800				.....
Gold		1,800	\$850					\$734	.....
Macadam								3,550	.....
Mineral Water	\$12,350	20,220	79,698	\$85,900	38,051			51,233	.....
Quicksilver	1,500	10,575	26,100	21,708	16,526	\$12,321		648	.....
Salt	80	270	396	360	180	225	\$170	240	.....
Sandstone		80,082	87,456	312,500	290,000	276,908	101,802	79,259	.....
Silver								8	.....

PRODUCTS BY VALUES—1900-1907.

COLUSA COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Rubble .....	.....	.....	.....	.....	\$1,250	.....	.....	.....	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$104,508
Totals	\$13,930	\$115,107	\$194,500	\$420,468	\$347,807	\$289,454	\$101,972	\$134,622	\$1,722,368

CONTRA COSTA COUNTY.

Asphalt .....	.....	.....	.....	.....	.....	.....	.....	\$21,870	.....
Brick .....	.....	.....	\$11,600	\$16,000	\$67,495	\$73,948	\$169,022	403,564	.....
Coal	\$145,000	\$100,000	31,160	.....	.....	.....	.....	.....	.....
Copper .....	.....	.....	3,645	.....	.....	.....	.....	.....	.....
Lime .....	.....	.....	.....	4,500	10,359	13,925	.....	1,413	.....
Limestone .....	.....	.....	.....	22,500	.....	43,500	.....	43,038	.....
Macadam .....	.....	.....	.....	.....	18,750	61,620	75,025	210,250	.....
Mineral Water	1,900	1,900	8,736	19,500	19,000	.....	.....	.....	.....
Rubble .....	.....	.....	.....	.....	14,310	4,500	.....	.....	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$213,995
Totals	\$146,900	\$101,900	\$55,141	\$62,500	\$129,914	\$197,493	\$244,047	\$680,135	\$1,832,025

DEL NORTE COUNTY.

Gold	\$3,483	\$10,612	\$5,450	\$7,183	\$7,399	\$10,590	\$5,945	\$878	.....
Platinum .....	.....	.....	.....	.....	18	22	.....	.....	.....
Silver .....	.....	.....	.....	.....	.....	.....	23	3	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$20,000
Totals	\$3,483	\$10,612	\$5,450	\$7,183	\$7,417	\$10,612	\$5,978	\$881	\$71,616

PRODUCTS BY VALUES—1900-1907.

EL DORADO COUNTY.

SUBSTANCES.	1900.	1901..	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Asbestos					\$162	\$2,625	\$1,000		
Copper	\$500		\$319			24,960		\$122	
Gold	368,541	\$292,036	335,031	\$277,304	474,994	384,735	431,746	319,177	
Lime	6,000	11,000	16,176	7,000	7,075	6,946	21,138	16,198	
Limestone						5,775		15,318	
Slate	26,250	38,250	30,000		50,000	40,000	100,000	60,000	
Silver	25,129	5,977	52			2,525	2,690	2,301	
Unapportioned									\$251,829
Totals	\$426,420	\$347,263	\$381,578	\$284,304	\$532,231	\$467,566	\$556,574	\$413,116	\$3,660,881

FRESNO COUNTY.

Asphalt				\$10,068	\$6,948				
Bituminous Rock				38					
Brick	\$35,062	\$35,000	\$45,000	68,000	32,400	\$60,000	\$64,000	\$51,350	
Copper		182,648	345,000		319	224,640	88,000	50,000	
Gold	22,346	21,462	54,427	21,538	7,809	40,037	8,493	2,401	
Granite				11,000				10,500	
Magnesite					120				
Mineral Water	4,000	5,142	4,500	7,200	2,400				
Petroleum	547,960	263,444	199,931	730,673	1,520,847	2,400,300	1,974,470	3,620,120	
Silver	479		21,200	111	4	9,187	83	26	
Unapportioned									\$268,534
Totals	\$609,847	\$480,696	\$670,058	\$848,628	\$1,570,847	\$2,734,164	\$2,135,046	\$3,740,397	\$13,085,217

PRODUCTS BY VALUES—1900-1907.

HUMBOLDT COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Brick	\$7,100	\$7,810	\$17,040	\$10,445	\$21,350	\$7,600	\$8,690	\$1,400	.....
Gold	109,444	98,487	60,015	38,509	62,061	45,284	48,295	40,109	.....
Mineral Water	2,000	2,000	2,500	.....	.....	.....	.....	.....	.....
Platinum .....	.....	.....	.....	362	140	204	555	.....	.....
Silver	283	128	.....	.....	.....	.....	240	214	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$20,975
Totals	\$118,827	\$108,425	\$79,555	\$49,316	\$83,551	\$53,628	\$57,780	\$41,723	\$613,780

INYO COUNTY.

Antimony	\$700	.....	.....	.....	.....	.....	.....	.....	.....
Borax	13,901	.....	\$36,394	\$26,400	.....	.....	.....	.....	.....
Copper .....	.....	\$1,349	126	3,098	\$3,252	\$23,649	\$800	\$1,356	.....
Gold	213,655	162,406	74,397	66,045	150,474	135,959	19,449	57,241	.....
Lead	38,840	24,040	9,013	3,420	5,270	16,247	11,857	13,096	.....
Marble .....	.....	.....	.....	20,000	3,000	17,000	4,800	4,000	.....
Salt .....	.....	.....	.....	2,400	800	.....	.....	.....	.....
Silver	113,493	56,573	14,484	18,200	7,122	29,741	13,358	44,440	.....
Soda	50,000	400,000	50,000	.....	.....	.....	.....	.....	.....
Zinc .....	.....	.....	.....	.....	.....	.....	.....	8,598	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$712,332
Totals	\$430,589	\$668,618	\$184,414	\$139,563	\$169,918	\$222,596	\$50,264	\$128,731	\$2,707,025

PRODUCTS BY VALUES—1900-1907.

IMPERIAL COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Brick								\$10,000	\$10,000

KINGS COUNTY.

Brick	\$5,000	\$5,000	\$19,000	\$24,200	\$23,300	\$24,000	\$20,000	\$8,000	.....
Fuller's Earth						9,000		1,000	.....
Unapportioned									\$10,500
Totals	\$5,000	\$5,000	\$19,000	\$24,200	\$23,300	\$33,000	\$20,000	\$9,000	\$149,000

KERN COUNTY.

Antimony		\$8,350							.....
Asphalt	\$14,020	43,126	\$101,500	\$100,787	\$124,110	\$105,860	\$231,360	\$260,158	.....
Bituminous Rock				63					.....
Brick	17,300	23,400	24,500	30,000	4,900	6,000	34,200	18,428	.....
Clay						54	752		.....
Copper	750	67,606	27,112	559					.....
Fuller's Earth	3,750	19,500	19,246	4,750	9,500				.....
Gold	\$85,252	1,007,059	1,165,982	1,022,353	1,426,523	1,160,971	806,117	\$78,798	.....
Gypsum			8,000	8,000		11,000		5,500	.....
Lime	51,700	82,700	80,856	76,246	172,000	255,500	267,096	153,003	.....
Limestone						44,000		16,819	.....

PRODUCTS BY VALUES—1900-1907.

KERN COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Petroleum	\$827,348	\$1,131,616	\$1,955,585	\$3,600,230	\$3,431,408	\$3,174,966	\$3,765,200	\$4,673,867	.....
Silver	147,736	40,497	99,135	114,614	151,189	134,944	129,503	\$6,033	.....
Tungsten .....	.....	.....	.....	.....	.....	18,800	183,600	*	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$385,427
Totals	\$1,867,856	\$2,423,918	\$3,481,926	\$4,957,602	\$5,319,630	\$4,912,095	\$5,417,828	\$6,092,606	\$34,858,888

LAKE COUNTY.

Mineral Water	\$45,400	\$120,360	\$126,663	\$187,621	\$221,000	\$219,500	\$160,000	\$130,936	.....
Quicksilver	127,345	211,324	161,568	106,397	109,719	51,937	38,909	30,604	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$28,423
Totals	\$172,745	\$331,684	\$288,231	\$294,018	\$330,719	\$271,437	\$198,909	\$161,540	\$2,077,706

LASSEN COUNTY.

Gold	\$19,807	\$5,900	\$23,410	\$91,102	\$116,993	.....	.....	.....	.....
Silver	676	200	244	1,203	1,515	.....	.....	.....	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$217,194
Totals	\$20,483	\$6,100	\$23,654	\$92,305	\$118,508	.....	.....	.....	\$478,244

* In unapportioned. Lassen County in unapportioned since 1904. (40)

PRODUCTS BY VALUES—1900-1907.

LOS ANGELES COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Asphalt	\$100,000	\$152,838	\$171,904	\$332,600	\$307,068	\$119,430	\$259,200	\$353,423	.....
Brick	275,925	264,825	335,670	706,334	767,827	853,810	826,831	895,272	.....
Cement .....	.....	.....	.....	1,175	.....	.....	.....	.....	.....
Clay	10,776	390	890	115	5,000	16,066	34,250	20,500	.....
Copper .....	.....	.....	.....	.....	.....	.....	.....	169	.....
Glass-Sand .....	.....	.....	.....	2,558	4,254	.....	.....	.....	.....
Gold	5,508	10,312	7,209	8,674	12,402	15,035	.....	.....	.....
Granite .....	.....	17,500	3,500	.....	.....	.....	.....	.....	.....
Gypsum	10,000	35,500	.....	38,441	.....	43,500	69,000	50,000	.....
Infusorial Earth .....	.....	.....	360	.....	.....	.....	200	.....	.....
Lead .....	.....	.....	504	.....	.....	.....	.....	.....	.....
Lime .....	.....	.....	.....	.....	10,000	.....	18,000	20,000	.....
Limestone .....	.....	.....	.....	13,750	.....	.....	.....	5,000	.....
Macadam	5,800	23,000	26,000	13,750	21,250	22,000	.....	23,625	.....
Marble .....	.....	.....	.....	.....	.....	.....	.....	3,000	.....
Mineral Paint .....	.....	.....	300	.....	.....	.....	.....	.....	.....
Mineral Water .....	.....	.....	.....	5,500	7,084	31,250	5,128	35,100	.....
Natural Gas .....	.....	1,500	.....	.....	.....	.....	.....	.....	.....
Petroleum	1,722,887	1,062,038	1,075,868	1,294,866	1,289,910	1,056,188	908,800	2,633,541	.....
Rubble	18,552	53,729	75,547	104,435	62,576	47,025	176,559	13,279	.....
Salt .....	.....	19,950	180	20,000	24,480	20,000	36,000	36,000	.....
Sandstone	3,750	.....	.....	9,734	13,145	9,950	9,540	19,076	.....
Serpentine	2,000	800	.....	800	2,310	.....	.....	3,000	.....
Silver .....	.....	.....	.....	22	73	100	1,694	.....	.....
Soapstone .....	.....	119	.....	10,124	2,315	.....	.....	.....	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$337,303
Totals	\$2,155,198	\$1,642,591	\$1,697,932	\$2,549,128	\$2,529,694	\$2,234,354	\$2,345,202	\$4,110,985	\$19,582,387

PRODUCTS BY VALUES—1900-1907.

MADERA COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Brick	\$3,000	\$3,000	\$1,840	\$972	\$3,750	.....	.....	\$12,500	.....
Copper	77,500	17,077	2,129	4,680	1,313	.....	.....	379	.....
Gold	104,134	82,749	35,128	93,070	75,303	\$50,867	\$22,390	13,303	.....
Granite	80,000	294,799	78,041	389,820	98,083	123,106	176,416	93,372	.....
Lead .....	.....	.....	.....	.....	.....	10,014	.....	47	.....
Macadam .....	.....	.....	.....	1,000	1,000	.....	.....	.....	.....
Rubble .....	.....	600	4,000	.....	500	.....	.....	.....	.....
Silver	3,833	2,600	3	3	25	.....	508	506	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$65,000
Totals	\$268,467	\$400,825	\$121,151	\$489,525	\$178,974	\$183,987	\$199,314	\$120,107	\$2,027,350

MARIN COUNTY.

Brick	\$200,000	\$100,240	\$97,700	\$78,005	\$132,000	\$163,585	\$199,300	\$118,000	.....
Macadam .....	.....	825	2,150	900	.....	32,250	53,000	.....	.....
Rubble	2,500	27,162	105,350	139,432	170,995	12,000	300	134,111	.....
Salt .....	.....	.....	1,400	.....	.....	.....	.....	.....	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$42,000
Totals	\$202,500	\$128,227	\$206,600	\$218,427	\$302,995	\$207,835	\$252,600	\$252,111	\$1,813,295

PRODUCTS BY VALUES—1900-1907.

MARIPOSA COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Copper		\$30,180	\$11,940	\$6,808	\$1,466	\$1,956			
Gold	\$157,663	504,928	631,478	542,355	429,771	386,380	\$366,394	\$405,498	
Lead		3,080					3,377	60	
Platinum						25			
Silver	13,853	4,787	3,880	3,353	2,889	5,231		4,150	
Unapportioned									\$8,431
Totals	\$171,516	\$542,975	\$647,298	\$552,516	\$434,076	\$393,592	\$369,771	\$409,708	\$3,529,883

MENDOCINO COUNTY.

Brick	\$400	\$2,500	\$2,000	\$5,580	\$3,120	\$6,470	\$5,000	\$4,000	
Gold					75	40	19		
Mineral Water	8,048	8,220	7,898	15,000	12,000	18,000	9,800	9,800	
Unapportioned									\$18,000
Totals	\$8,448	\$10,720	\$9,898	\$20,580	\$15,195	\$24,510	\$14,819	\$13,800	\$135,970

MERCED COUNTY.

Brick						\$3,500	\$6,000	\$12,500	
Copper		\$12,453	\$1,656	\$780	\$1,135				
Gold								\$22	
Silver								10	
Unapportioned									\$18,264
Totals		\$12,453	\$1,656	\$780	\$1,135	\$3,500	\$6,000	\$13,332	\$57,120

PRODUCTS BY VALUES—1900-1907.

MONO COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Copper		\$305		\$208					
Gold	\$670,200	493,355	\$510,596	334,713	\$268,930	\$308,884	\$338,698	\$383,971	
Lime	4,000	3,000	2,000	5,000	850				
Lead	2,000	1,160	154	36					
Silver	75,921	25,091	36,548	20,067	2,955	11,240	13,151	29,797	
Unapportioned									\$106,736
Totals	\$752,121	\$522,911	\$549,298	\$360,024	\$272,735	\$320,124	\$351,849	\$413,768	\$3,649,566

MONTEREY COUNTY.

Asphalt					\$1,488				
Brick	\$1,600				1,600				
Coal		\$1,000						\$24,000	
Glass-Sand			\$12,225	\$4,967	7,272	\$8,121	\$1,125	8,178	
Gold		13,800	6,860	8,920	6,941	4,000	625	1,076	
Infusorial Earth							400		
Lime		15,750	13,200	23,400	3,240	10,000	50,000	125,000	
Limestone	10,800	7,500		9,000	21,500				
Macadam		2,503	900	2,300					
Mineral Water	4,000	3,250	1,750	1,250	1,000	1,000	12,000	12,000	
Rubble	2,775	6,366	4,300	867					
Silver			18				3	9	
Unapportioned									\$112,506
Totals	\$19,175	\$50,169	\$39,253	\$51,436	\$43,041	\$23,121	\$64,153	\$146,263	\$549,117

PRODUCTS BY VALUES—1900-1907.

NAPA COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Cement				\$135,552					
Limestone		\$6,690	\$8,496						
Macadam					\$315				
Magnesite	\$17,400	11,622	450	915	78				
Mineral Water	72,200	109,900	97,048	124,000	104,750	\$89,500	\$90,500	\$103,600	
Quicksilver	403,500	388,176	304,474	333,006	199,586	171,910	86,870	95,400	
Rubble			500	3,375	3,704	500	277	3,000	
Unapportioned									\$2,639,727
Totals	\$493,100	\$516,388	\$410,968	\$896,848	\$308,423	\$261,910	\$180,147	\$202,000	\$5,909,521

NEVADA COUNTY.

Copper	\$20,472	\$6,235	\$3,975	\$585				\$4,118	
Gold	1,812,036	2,121,034	2,142,740	2,458,047	\$3,130,304	\$3,179,715	\$2,658,420	2,162,083	
Granite			3,000	4,160	5,395	2,570	9,300	9,300	
Silver	68,841	18,122	6,124	3,252	9,555	32,523	24,219	17,505	
Platinum						20			
Pyrites	17,550	429							
Unapportioned									\$400,000
Totals	\$1,916,899	\$2,145,840	\$2,155,839	\$2,466,044	\$3,145,254	\$3,214,828	\$2,691,939	\$2,193,306	\$20,329,949

PRODUCTS BY VALUES—1900-1907.

ORANGE COUNTY.									
SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Brick				\$13,000	\$9,000	\$11,800	\$13,500	\$26,000	.....
Clay						14,581	12,900		.....
Coal	\$2,250	\$1,500							.....
Copper								193	.....
Gold	2,407	4,000	\$250	150					.....
Gypsum		250							.....
Lead								1,303	.....
Petroleum	254,397	181,591	\$24,492	1,016,285	1,144,542	711,633	1,194,000	1,456,050	.....
Sandstone	120				200	250			.....
Zinc								2,000	.....
Unapportioned									\$72,566
Totals	\$259,174	\$187,341	\$824,742	\$1,029,435	\$1,153,742	\$738,264	\$1,220,400	\$1,485,546	\$6,971,210

PLACER COUNTY.									
Asbestos							\$2,500	\$3,500	.....
Clay	\$15,000	\$15,000	\$15,000	\$15,000	\$16,100	\$10,000	15,000	20,000	.....
Copper		1,764	368	520	76,500	57,291	38,600		.....
Gold	986,155	900,745	\$43,366	570,571	778,355	597,793	*	482,772	.....
Granite	95,869	89,874	105,377	181,661	110,371		66,030	94,459	.....
Lime				9,000		8,737	11,950	11,430	.....
Limestone				4,000				79,768	.....
Macadam				3,750					.....
Paving Blocks.....			600						.....

* Unapportioned in 1906.

PRODUCTS BY VALUES—1900-1907.

PLACER COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Platinum				\$280	\$375	\$36	\$12		
Quartz Crystals				1,968					
Rubble	\$19,800	\$12,973	\$50,435	13,119	13,077	22,779	5,100	\$24,263	
Silver	12,058	4,828	3,341	1,116	9,320	8,041		3,358	
Unapportioned									\$861,416
Totals	\$1,128,882	\$1,025,184	\$1,018,487	\$800,985	\$1,004,098	\$798,644	\$139,192	\$719,550	\$7,496,438

PLUMAS COUNTY.

Copper				\$247		\$157			
Gold	\$365,210	\$401,284	\$380,686	424,112	\$270,439	283,819	\$229,350	\$219,355	
Limestone								5,000	
Manganese	10	40		25			30	25	
Platinum							25		
Silver	4,159	2,508	517	510	464	530	1,055	948	
Unapportioned									\$75,575
Totals	\$369,379	\$403,832	\$381,203	\$424,894	\$270,903	\$284,497	\$230,460	\$225,328	\$2,606,071

RIVERSIDE COUNTY.

Asbestos	\$1,250	\$4,400							
Bismuth					\$2,400				
Brick	28,842	89,787	\$114,165	\$164,020	71,380	\$69,195	\$92,140	\$102,000	
Clay	18,080	16,624	18,920	65,332	49,232	67,970	59,712	174,713	

PRODUCTS BY VALUES—1900-1907.

RIVERSIDE COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Coal	\$15,000	\$7,000	\$3,000	.....	.....	.....	.....	.....	.....
Copper .....	.....	.....	.....	.....	.....	.....	.....	\$100	.....
Gems .....	.....	.....	.....	.....	.....	\$2,500	\$2,500	50	.....
Gold	149,292	109,747	47,947	\$13,453	\$7,488	35,690	4,432	3,836	.....
Granite	57,600	51,900	37,459	48,975	195,364	92,300	43,935	134,522	.....
Gypsum .....	.....	3,000	500	.....	.....	.....	.....	.....	.....
Lead .....	.....	.....	.....	.....	.....	.....	.....	1,750	.....
Lime .....	.....	18,000	.....	21,250	20,000	20,000	20,000	6,500	.....
Limestone .....	.....	.....	17,000	8,500	.....	.....	.....	.....	.....
Macadam .....	.....	.....	5,919	22,160	20,500	16,639	24,978	28,150	.....
Magnesite .....	.....	.....	.....	.....	.....	.....	.....	1,750	.....
Marble .....	.....	1,500	.....	1,500	2,500	2,500	.....	9,000	.....
Paving Blocks .....	.....	.....	9,360	36,000	86,030	36,000	24,000	55,447	.....
Rubble .....	.....	.....	40,258	45,123	113,412	215,229	78,725	352,933	.....
Salt	8,000	12,000	20,000	20,000	15,000	.....	.....	.....	.....
Sand Quartz	200	500	.....	.....	.....	.....	.....	.....	.....
Silver	6,848	2,150	94	136	80	346	251	26	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$84,592
Totals	\$285,112	\$316,608	\$334,622	\$446,449	\$583,386	\$558,369	\$350,673	\$869,197	\$3,829,008

SACRAMENTO COUNTY.

Brick	\$53,400	\$62,180	\$78,198	\$120,000	\$30,000	\$135,000	\$108,000	\$128,624	.....
Copper .....	.....	316	.....	.....	.....	.....	.....	.....	.....
Gold	176,007	229,034	425,894	335,646	419,287	668,382	986,624	790,973	.....
Granite	3,139	2,882	136	2,222	4,458	1,614	1,779	4,625	.....

PRODUCTS BY VALUES—1900-1907.

SACRAMENTO COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Macadam	\$14,157	\$6,763	\$19,064	\$17,225	\$21,457	\$20,326	\$17,426	\$9,736	.....
Natural Gas	11,750	.....	31,200	30,518	39,200	43,564	52,874	52,874	.....
Platiumm .....	.....	.....	.....	.....	.....	700	200	.....	.....
Rubble .....	.....	1,163	316	951	246	12,060	715	4,200	.....
Silver	986	544	330	234	75	206	3,640	2,034	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$245,747
Totals	\$259,439	\$302,882	\$555,138	\$506,796	\$515,123	\$881,852	\$1,171,258	\$993,066	\$5,431,301

SAN BERNARDINO COUNTY.

Borax	\$999,350	\$898,130	\$2,198,600	\$495,000	*	.....	.....	.....	.....
Brick .....	.....	15,000	1,800	4,000	\$17,500	.....	\$13,500	\$15,555	.....
Cement	121,000	159,842	273,600	157,000	*	.....	.....	.....	.....
Copper	297,600	7,875	41,008	7,852	17,270	\$8,206	99,207	102,856	.....
Gems	20,000	20,000	11,600	.....	.....	65,000	.....	.....	.....
Gold	247,949	399,693	394,936	381,197	595,828	473,893	354,830	158,676	.....
Granite	5,600	4,630	.....	.....	250	5,330	7,173	2,948	.....
Lead	400	20	2,076	504	.....	.....	.....	1,822	.....
Lime	33,261	43,028	65,832	28,692	21,500	14,740	17,146	8,600	.....
Limestone	7,067	76,710	51,578	64,613	42,575	51,395	35,990	139,188	.....
Macadam	15,000	3,300	6,100	71,000	7,000	9,000	1,825	375	.....
Marble .....	.....	.....	15,600	41,600	53,400	40,000	25,000	29,946	.....
Paving Blocks	2,500	7,400	19,000	14,650	10,000	28,000	16,000	28,125	.....
Rubble	42,657	151,447	167,300	181,311	141,686	104,867	13,478	116,494	.....
Sandstone .....	.....	.....	.....	.....	2,000	.....	.....	.....	.....

* In unapportioned.

PRODUCTS BY VALUES—1900-1907.

SAN BERNARDINO COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Silver	\$172,759	\$57,164	\$58,972	\$59,199	\$13,025	\$19,595	\$23,765	\$81,339	.....
Tungsten							5,500		.....
Turquoise				10,000					.....
Unapportioned									\$2,807,768
Totals	\$1,965,143	\$1,844,239	\$3,308,002	\$1,516,618	\$922,034	\$820,026	\$623,414	\$685,924	\$14,493,168

SAN BENITO COUNTY.

Asphalt					\$2,472				.....
Bituminous Rock		\$2,630							.....
Lime	\$8,800					\$15,000		\$8,453	.....
Limestone	100					32,494			.....
Macadam	13,000	10,164	\$22,000	\$23,200	16,500	32,500	\$23,000	48,661	.....
Mineral Water	3,750	125	150	400		500	3,120	2,600	.....
Quicksilver	180,000	242,300	306,081	344,251	314,000	279,651	262,909	292,878	.....
Unapportioned									\$130,000
Totals	\$205,650	\$255,219	\$328,231	\$367,851	\$332,972	\$360,145	\$289,029	\$352,592	\$2,621,689

SAN DIEGO COUNTY.

Brick	\$3,261	\$5,791	\$3,440	\$11,150	\$23,700	\$28,350	\$34,900	\$36,430	.....
Copper						750	284,500	2,659	.....
Gems	500	20,000	150,000	100,000	136,000	66,000		206,336	.....

PRODUCTS BY VALUES—1900-1907.

SAN DIEGO COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Gold	\$335,937	\$413,320	\$338,877	\$461,516	\$334,697	\$109,712	.....	\$7,455	.....
Granite	9,900	22,400	13,175	16,568	7,851	10,250	\$10,250	23,650	.....
Lead .....	.....	.....	.....	.....	.....	.....	.....	52	.....
Lithia Mica	11,000	27,500	31,880	27,300	25,000	276	.....	.....	.....
Marble .....	.....	.....	.....	.....	.....	.....	.....	12,000	.....
Mineral Water	3,250	3,000	1,289	3,000	.....	.....	.....	2,000	.....
Rubble	14,403	6,887	14,175	42,597	200,192	16,507	49,738	28,500	.....
Salt	4,000	9,620	7,900	.....	.....	.....	5,000	55,000	.....
Silver	19,810	6,004	1,994	1,444	100	10	.....	35	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$214,634
Totals	\$402,061	\$514,522	\$562,730	\$663,315	\$727,540	\$231,945	\$384,388	\$374,117	\$4,075,252

SAN FRANCISCO COUNTY.

Asphalt .....	.....	.....	.....	.....	.....	.....	.....	\$60,000	.....
Brick .....	.....	.....	\$238,800	\$294,326	\$367,911	\$310,685	\$58,289	434,140	.....
Glass-Sand .....	.....	.....	.....	.....	.....	.....	10,500	.....	.....
Macadam	\$1,500	\$142,500	110,000	35,450	17,500	79,675	54,250	64,988	.....
Rubble	56,900	14,447	46,300	473,010	314,720	65,682	52,000	32,285	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$30,000
Totals	\$58,400	\$156,947	\$395,100	\$802,786	\$700,131	\$456,042	\$175,039	\$501,413	\$3,365,858

PRODUCTS BY VALUES—1900-1907.

SAN JOAQUIN COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Asphalt			\$2,730						
Brick	\$20,000	\$20,000			\$45,000	\$68,000	\$49,500	\$81,000	
Infusorial Earth				\$90					
Natural Gas	19,862	60,456	67,868	44,399	47,635	53,915	55,115	52,725	
Rubble						25,000			
Unapportioned									\$214,835
Totals	\$39,862	\$80,456	\$70,598	\$44,489	\$92,635	\$146,915	\$104,615	\$133,723	\$928,128

SAN LUIS OBISPO COUNTY.

Asphalt		\$30,000	\$40,000					\$90,000	
Bituminous Rock	\$12,905	33,070	2,327	\$7,572		\$6,344	\$6,344	8,128	
Brick	4,000	5,200	7,650	6,000		3,200	2,400	16,000	
Gold		300	2,399	1,840	\$630	300		316	
Granite				8,000	20,000	6,000	10,500		
Lime				100				600	
Macadam								3,000	
Mineral Water		6,000	800		1,000			1,000	
Petroleum								16,845	
Quicksilver	23,886	41,513	147,215	183,530	176,616	133,748	128,152	95,743	
Rubble	44,835			47,583	16,000	15,000			
Sandstone				2,791	45,000	25,000	25,000		
Unapportioned									\$218,205
Totals	\$85,626	\$116,083	\$200,391	\$257,416	\$259,246	\$189,592	\$172,396	\$231,632	\$1,730,587

PRODUCTS BY VALUES—1900-1907.

SAN MATEO COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Asphalt		\$255							
Brick	\$9,000	9,070	\$8,000	\$77,500	\$56,436	\$61,436	\$67,000	\$86,285	
Clay			5,625						
Macadam	7,500	6,000	1,120		15,666		36,823	2,111	
Petroleum					6,000				
Rubble			300,000	150,000	98,200	75,000	75,000		
Salt		400	16,000	25,000	62,500	67,500	44,920	56,000	
Totals	\$16,500	\$15,725	\$330,745	\$252,500	\$238,802	\$203,936	\$223,743	\$144,396	\$1,426,347

SANTA BARBARA COUNTY.

Asphalt	\$105,500	\$55,800	\$12,590	\$41,688	\$190,000	\$30,000	\$250,000	\$258,549	
Brick	40,960	9,825	12,200	46,200	8,420	34,750	1,600	14,650	
Gold			200			725	250		
Granite	2,500								
Infusorial Earth			2,172	15,925	112,282	15,000	13,800	28,948	
Lime				30,000					
Limestone	3,602		25,000	40,000	12,000	7,500	16,000	30,000	
Macadam	162					9,600	272		
Mineral Water	10,350	60,200	60,200	22,280	18,249	21,450	10,450	24,250	
Natural Gas	2,966	438	375	320	1,500		500	300	
Petroleum	165,138	113,385	181,313	149,640	445,560	1,413,600	1,237,250	4,166,661	
Quicksilver						2,070		2,289	
Rubble	80,000	33,400		4,395		48,192	9,460	4,950	

PRODUCTS BY VALUES—1900-1907.

SANTA BARBARA COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Sandstone	\$117,260	\$27,100	\$21,500	\$34,240	\$3,600	\$18,330	\$25,230	\$37,566	.....
Silver							2		.....
Unapportioned									\$89,254
Totals	\$528,438	\$300,148	\$315,550	\$384,688	\$791,611	\$1,601,217	\$1,564,814	\$4,568,163	\$10,143,883

SANTA CLARA COUNTY.

Asphalt		\$255		\$132					
Bituminous Rock				47					
Brick	\$136,000	94,570	\$178,662	188,284	\$178,581	\$204,357	\$183,676	\$255,424	.....
Clay	6,000					1,050	1,500		.....
Granite			1,200						.....
Lime								3,500	.....
Limestone	6,000			7,000			15,000	16,694	.....
Macadam		917			12,000				.....
Magnesite	253	300							.....
Mineral Water	8,060	8,500	5,500	12,500	12,500	1,200	1,250	2,187	.....
Petroleum				3,966	13,860	14,555	2,800	5,525	.....
Quicksilver	241,073	236,608	254,260	233,130	148,103	95,968	94,608	96,086	.....
Rubble				100		3,000			.....
Sandstone	100,000	80,000	31,500	225,000		150,000			.....
Unapportioned									\$82,254
Totals	\$497,386	\$421,150	\$471,122	\$670,159	\$365,044	\$470,130	\$298,834	\$379,416	\$3,655,495

PRODUCTS BY VALUES—1900-1907.

SANTA CRUZ COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Asphalt			\$1,060						
Bituminous Rock	\$58,590	\$30,654	41,084	\$45,190		\$12,500	\$38,860	\$64,707	
Clay		30							
Granite				140					
Lime	131,288	161,500	161,302	185,442	\$306,775	199,974	347,490	241,179	
Limestone	1,213	3,595	1,850	2,725		52,125	55,242	6,000	
Macadam				20,750	1,750	1,750	3,500	14,800	
Rubble					1,175				
Unapportioned									\$217,251
Totals	\$191,091	\$195,779	\$205,296	\$254,247	\$309,700	\$296,349	\$445,092	\$326,686	\$2,441,491

SHASTA COUNTY.

Brick	\$12,000	\$12,000	\$12,250	\$17,500	\$15,000	\$14,000	\$22,000	\$33,000	
Chrome	1,400	1,950	4,275	2,250	1,470	300	1,200	5,200	
Copper	4,166,735	4,881,048	2,496,731	2,171,497	3,439,974	1,688,614	4,338,121	5,568,873	
Gold	733,467	927,975	878,706	771,242	1,031,429	684,952	819,144	791,997	
Granite		2,000							
Iron Ore								400	
Lime	17,850	12,960	12,500	10,800	10,500	8,000	8,040	31,900	
Limestone	1,150		3,600	5,400		3,600	32,960	30,761	
Macadam				1,500					
Mineral Water	5,784	7,644	7,645	12,000		12,000		5,500	
Pyrites			7,005	5,500			89,895	197,364	
Silver	635,640	891,994	306,887	203,991	399,660	167,548	434,483	370,211	
Totals	\$5,574,026	\$6,737,571	\$3,730,049	\$3,201,680	\$4,898,033	\$2,579,014	\$5,745,843	\$7,084,706	\$39,550,922

PRODUCTS BY VALUES—1900-1907.

SIERRA COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Gold	\$659,696	\$575,427	\$326,155	\$310,770	\$374,763	\$517,303	\$409,366	\$483,904	.....
Mineral Water .....	.....	.....	6,000	.....	.....	.....	.....	12,000	.....
Silver	3,463	755	311	476	1,222	3,687	2,518	2,621	.....
Totals	\$663,159	\$576,182	\$332,466	\$311,246	\$375,985	\$520,990	\$411,884	\$498,525	\$3,690,437

SISKIYOU COUNTY.

Copper .....	.....	.....	\$23	.....	.....	.....	.....	\$39	.....
Gold	\$951,397	\$886,043	906,989	\$613,576	\$892,685	\$803,035	.....	398,017	.....
Lead .....	.....	.....	.....	.....	.....	.....	.....	140	.....
Lime .....	.....	.....	.....	.....	.....	.....	.....	1,000	.....
Limestone .....	.....	.....	.....	.....	.....	.....	.....	300	.....
Mineral Water	45,000	175,000	187,500	50,000	50,000	.....	.....	36,250	.....
Platinum .....	.....	.....	.....	.....	21	93	.....	.....	.....
Rubble .....	.....	.....	.....	.....	.....	.....	.....	39,000	.....
Sandstone .....	.....	.....	.....	.....	.....	1,250	\$1,500	12,897	.....
Silver	13,986	6,408	233	22	1,230	2,499	.....	3,037	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$1,202,732
Totals	\$1,010,383	\$1,067,451	\$1,094,745	\$663,598	\$943,936	\$806,877	\$1,500	\$490,680	\$7,281,902

PRODUCTS BY VALUES—1900-1907.

SOLANO COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Brick								\$25,000	
Cement			\$150,000	\$375,000					
Granite				49					
Lime	\$200	\$1,000							
Limestone	1,600	4,950				\$100,000			
Macadam	17,900	1,200	13,000	17,725	\$10,273	75,011	\$155,077	191,231	
Mineral Water	4,000	4,450	4,000	4,000	4,000	4,000	4,000	4,000	
Natural Gas								6,584	
Paving Blocks	1,000	1,000	1,250	3,500	525	3,562	4,988	2,978	
Quicksilver			1,590	4,100	15,080	18,518	19,272	24,422	
Rubble				240	315		3,422	7,937	
Salt								600	
Unapportioned									\$4,035,519
Totals	\$24,700	\$12,600	\$170,140	\$404,614	\$30,193	\$201,091	\$166,759	\$262,752	\$5,308,368

SONOMA COUNTY.

Brick	\$2,360	\$1,200	\$1,200	\$1,440	\$1,750	\$4,000	\$115,000	\$133,479	
Clay								10,700	
Gems							300	50	
Granite		9,800	9,351						
Graphite		4,480	1,680						
Lime					2,250			2,600	
Macadam		10,226	30,000	9,864	10,350	140,545	29,774	20,149	

PRODUCTS BY VALUES—1900-1907.

SONOMA COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Magnesite		\$1,225	\$455					\$1,250	
Mineral Paint			105	\$320					
Mineral Water	\$35,000	17,691	9,100	4,000	\$4,400	\$4,000	\$4,000	4,200	
Paving Blocks	20,275	32,675	82,227	80,492	65,197	66,785	128,444	112,797	
Quicksilver	99,500	95,850	64,685	98,676	102,829	97,041	75,555	21,369	
Rubble				577	400	6,500			
Unapportioned									\$15,000
Totals	\$157,135	\$173,174	\$198,803	\$195,369	\$187,176	\$318,871	\$353,073	\$306,594	\$1,905,195

STANISLAUS COUNTY.

Copper		\$12,494	\$18,676	\$15,080	\$931				
Gold	\$21,212	15,700		52,869	50,000	\$50,000		\$3,364	
Mineral Paint	193	375	350	2,400	1,600	2,125	\$1,720	1,720	
Platinum					20				
Silver				256	265	240		28	
Unapportioned									\$82,317
Totals	\$21,405	\$29,169	\$19,026	\$70,605	\$52,816	\$52,365	\$1,720	\$5,112	\$334,535

TEHAMA COUNTY.

Brick	\$2,200	\$2,000	\$3,500	\$4,500	\$3,500	\$5,000	\$5,600	\$3,200	
Mineral Water		4,000		2,500		4,000	4,000	55,000	
Totals	\$2,200	\$6,000	\$3,500	\$7,000	\$3,500	\$9,000	\$9,600	\$58,200	\$99,000

PRODUCTS BY VALUES—1900-1907.

TRINITY COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Copper		\$761							
Gold	\$571,605	684,683	\$719,992	\$607,728	\$574,814	\$690,844	\$560,843	\$535,316	
Granite	4,535	5,500		75					
Platinum			468	200	275	450	130	*	
Quicksilver	105,982	58,668	10,251	11,156	3,864	13,917	6,059	3,739	
Silver	16,567	2,668	550	2,085	135	3,044	2,981	2,399	
Unapportioned									\$110,975
Totals	\$698,689	\$752,280	\$731,261	\$621,244	\$579,088	\$708,255	\$570,013	\$541,454	\$5,313,259

TULARE COUNTY.

Brick	\$6,100	\$8,600	\$27,000	\$9,500	\$10,000	\$16,000	\$12,000	\$20,000	
Gems			500	500		5,000	209,790		
Gold	10,445	14,616	11,648	9,215	1,100	2,300	20		
Granite	3,000	18,000	4,000	2,260	16,000	9,000	9,000		
Gypsum	88							2,200	
Magnesite	1,500	28,210	19,250	19,600	9,100			21,420	
Rubble				100					
Silver	433	100				13			
Unapportioned									\$50,108
Totals	\$21,566	\$69,526	\$62,398	\$41,175	\$36,200	\$32,313	\$230,810	\$69,826	\$613,922

* In unapportioned.

PRODUCTS BY VALUES—1900-1907.

TUOLUMNE COUNTY.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Chrome							\$1,379		
Copper			\$17,920						
Gold	\$1,596,891	\$1,670,368	1,791,829	\$1,732,572	\$1,563,907	\$1,291,726	1,039,675	\$806,876	
Granite			14,020	9,700	9,700	9,700	9,700		
Lead		16							
Lime			1,600		1,000	1,000	1,000	125,000	
Marble			14,000	28,875	28,750	66,000	46,000	60,120	
Silver	62,367	39,787	6,580	13,989	12,963	21,348	8,476	6,453	
Totals	\$1,659,258	\$1,710,171	\$1,830,329	\$1,791,056	\$1,615,320	\$1,389,774	\$1,106,230	\$998,449	\$12,100,587

VENTURA COUNTY.

Asphalt	\$31,670	\$30,945	\$370	\$13,368	\$38,028	\$30,000	\$37,000		
Borax		60,000		140,000					
Brick	1,700			12,900		10,400	11,650	\$12,800	
Clay						45			
Gold	2,562	4,183	2,012	1,087	2,700	1,200			
Granite	28,629								
Macadam				2,100					
Mica			2,500	3,800	3,000				
Natural Gas					2,700	5,000	1,000	2,278	
Petroleum	398,700	236,028	455,000	517,611	465,682	236,578	155,500	211,334	

PRODUCTS BY VALUES—1900-1907.

VENTURA COUNTY—Continued.

SUBSTANCES.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	Grand Total.
Rubble	\$6,550	\$16,764	\$22,500	\$23,000	\$31,227	\$60,490	.....	\$20,880	.....
Sandstone	6,250	2,650	1,600	900	3,500	1,380	\$792	.....	.....
Silver .....	.....	.....	4	.....	.....	.....	.....	.....	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$798,853
Totals	\$476,161	\$350,570	\$483,986	\$714,766	\$546,837	\$345,093	\$205,492	\$247,292	\$4,169,050

YOLO COUNTY.

Sandstone	\$1,760	\$2,300	\$450	\$144	\$720	\$200	\$204	\$350	\$6,128
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YUBA COUNTY.

Brick					\$3,000				
Clay					750	\$80			
Gold	\$280,366	\$188,908	\$155,630	\$125,830	139,528	324,135		\$1,766,770	
Mineral Water .....	.....	.....	.....	.....	.....	800	\$800	720	.....
Silver	4,625	846	2	41	.....	369	.....	6,187	.....
Unapportioned .....	.....	.....	.....	.....	.....	.....	.....	.....	\$565,004
Totals	\$284,631	\$189,754	\$155,632	\$125,871	\$143,278	\$325,384	\$800	\$1,773,677	\$3,564,031

SUMMARY BY COUNTIES—VALUE OF MINERAL PRODUCTS, 1900-1907.*

Alpine	\$55,735	Marin	\$1,813,295	San Mateo.....	\$1,426,347
Alameda	6,404,627	Mariposa	3,529,883	Santa Barbara.....	10,143,883
Amador	16,001,717	Mendocino	135,970	Santa Clara.....	3,655,495
Butte	14,385,761	Merced	57,120	Santa Cruz.....	2,441,491
Calaveras	18,116,670	Mono	3,649,566	Shasta	39,550,922
Colusa	1,722,368	Monterey	549,117	Sierra	3,690,437
Contra Costa.....	1,832,025	Napa	5,909,521	Siskiyou	7,281,902
Del Norte.....	71,616	Nevada	20,329,949	Solano	5,308,368
El Dorado.....	3,660,881	Orange	6,971,210	Sonoma	1,905,195
Fresno	13,085,217	Placer	7,496,438	Stanislaus	334,535
Humboldt	613,780	Plumas	2,666,071	Tehama	99,000
Imperial†	10,000	Riverside	3,829,008	Trinity	5,313,259
Inyo	2,707,025	Sacramento	5,431,301	Tulare	613,922
Kern	34,858,888	San Benito.....	2,621,689	Tuolumne	12,100,587
Kings	149,000	San Bernardino.....	14,493,168	Ventura	4,169,050
Lake	2,077,706	San Diego	4,075,252	Yolo	6,128
Lassen	478,244	San Francisco.....	3,365,858	Yuba	3,564,031
Los Angeles.....	19,582,387	San Joaquin.....	928,128		
Madera	2,027,350	San Luis Obispo....	1,730,587	Total.....	\$329,128,680

* Including amounts heretofore unapportioned for period.

† Imperial County begins mineral production in 1907.

RELIEF MAP OF

CALIFORNIA

BY

N. F. DRAKE

Department of Geology,
Stanford University.

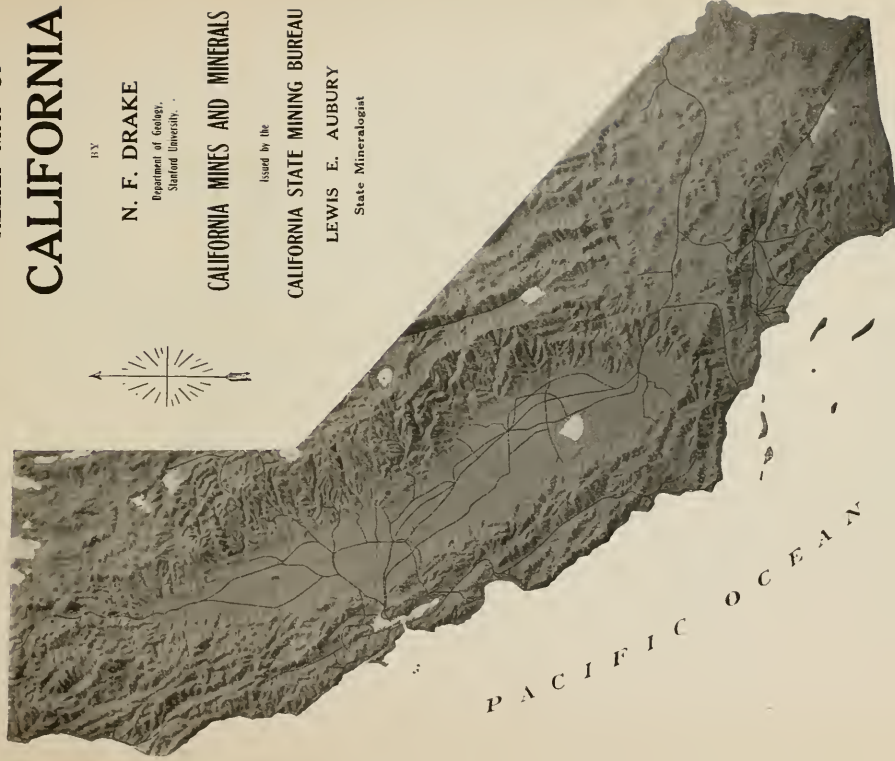
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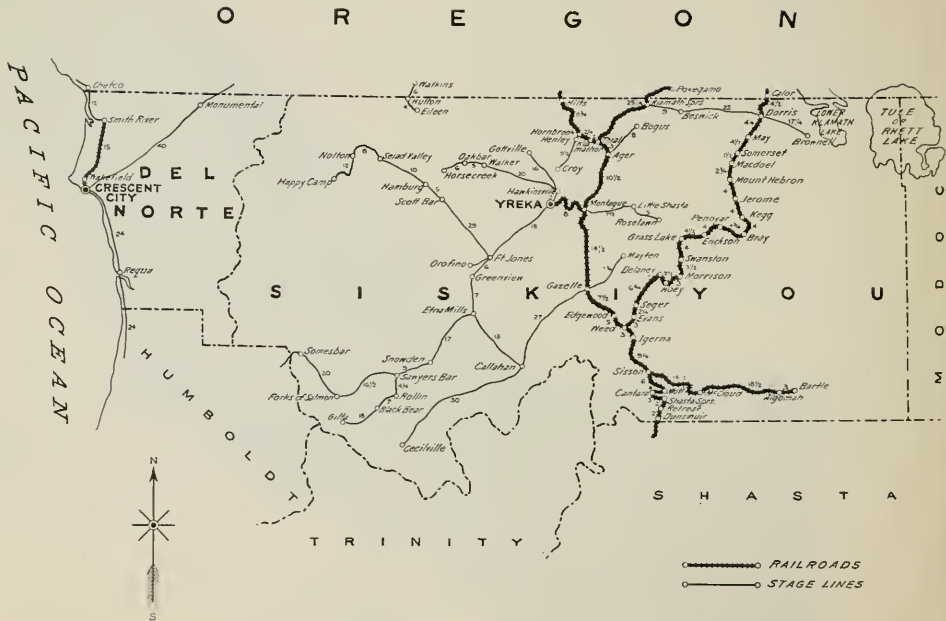
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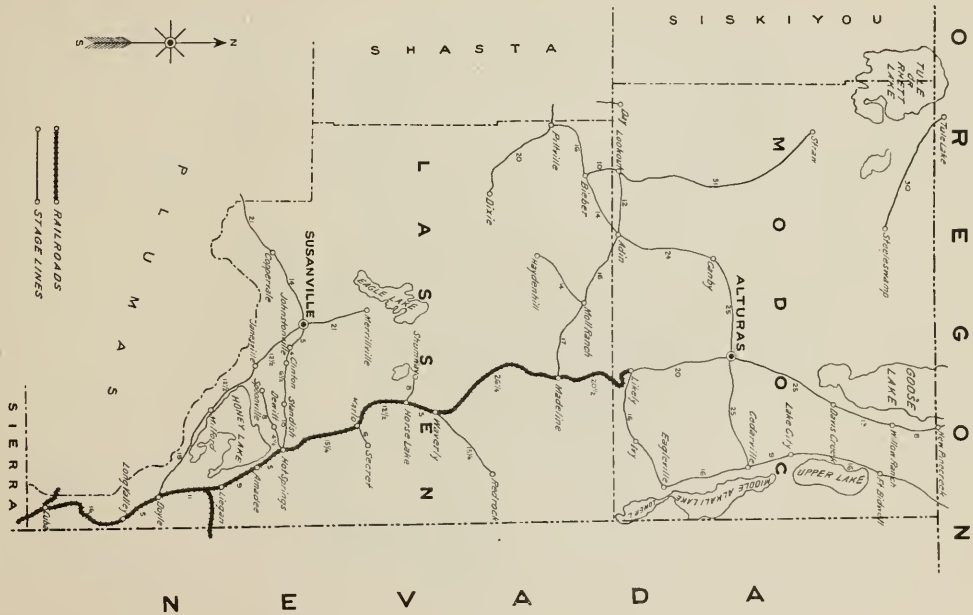


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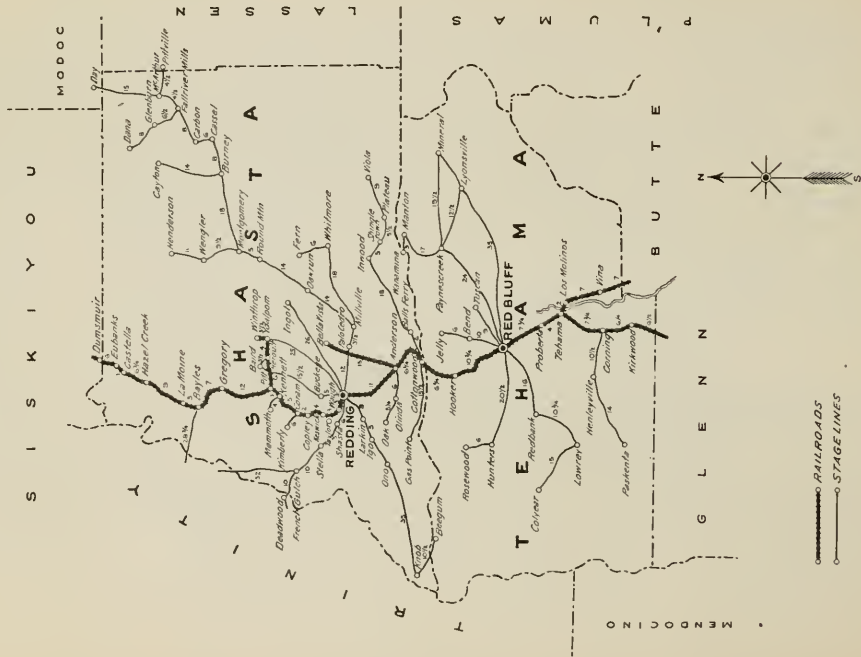
The County Maps.

The county maps in this pamphlet show all towns, post offices, railroads, stage lines carrying passengers, mail and express, and distances between points, forming a useful and handy guide especially to all who wish to leave the railroad and penetrate to the interior of the mining districts. They also show all post routes. These maps have been brought up to date (Jan. 1, 1909,) and must not be reproduced without obtaining permission from the State Mining Bureau.

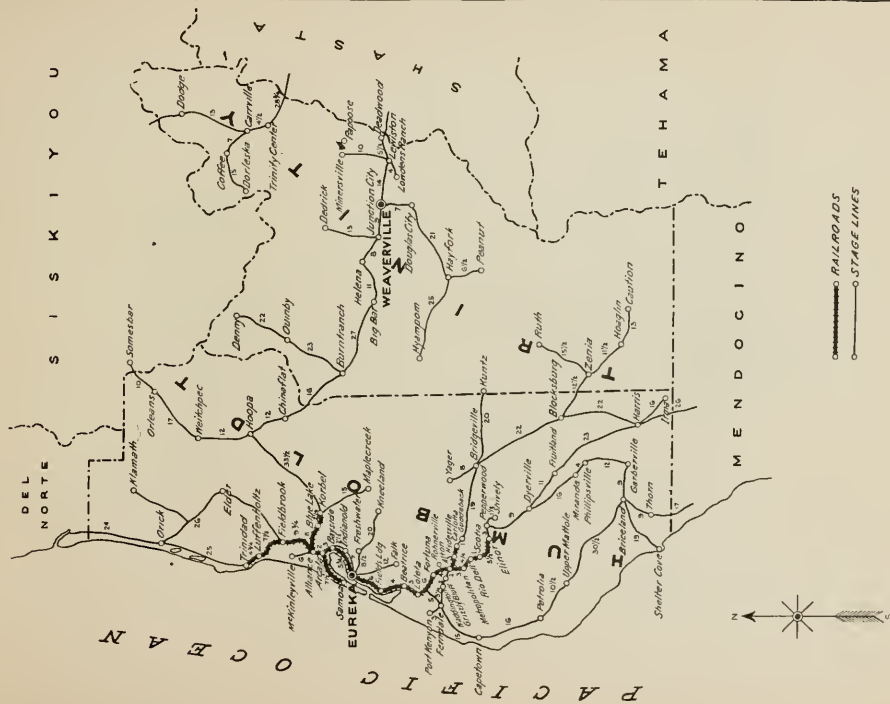




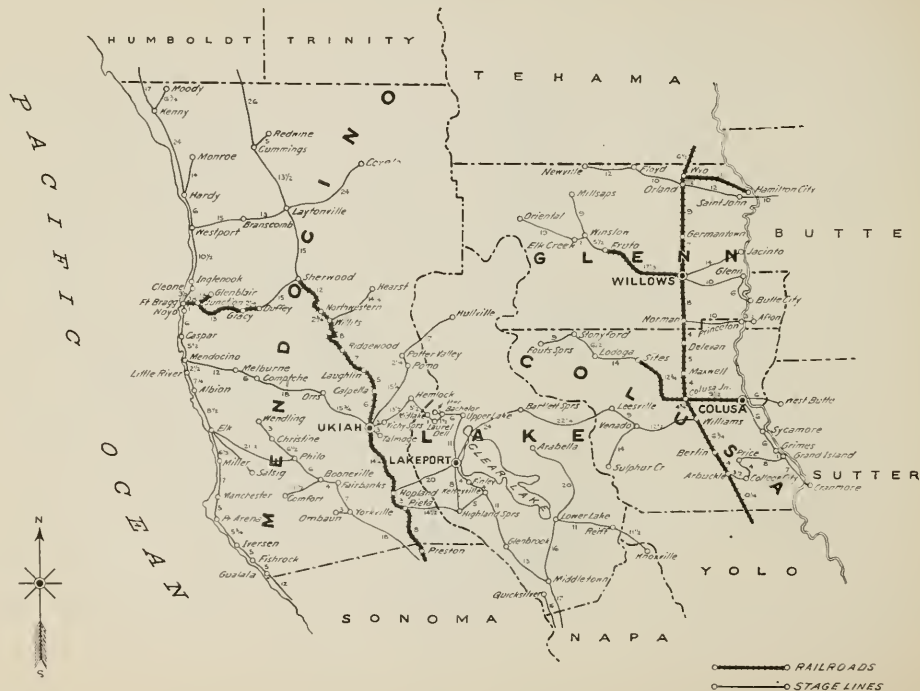
SHASTA AND TEHAMA COUNTIES.



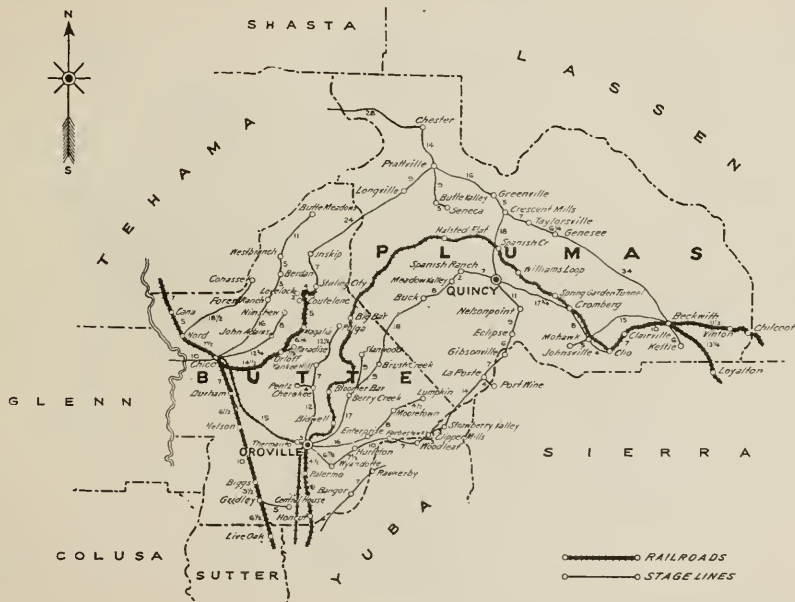
HUMBOLDT AND TRINITY COUNTIES.



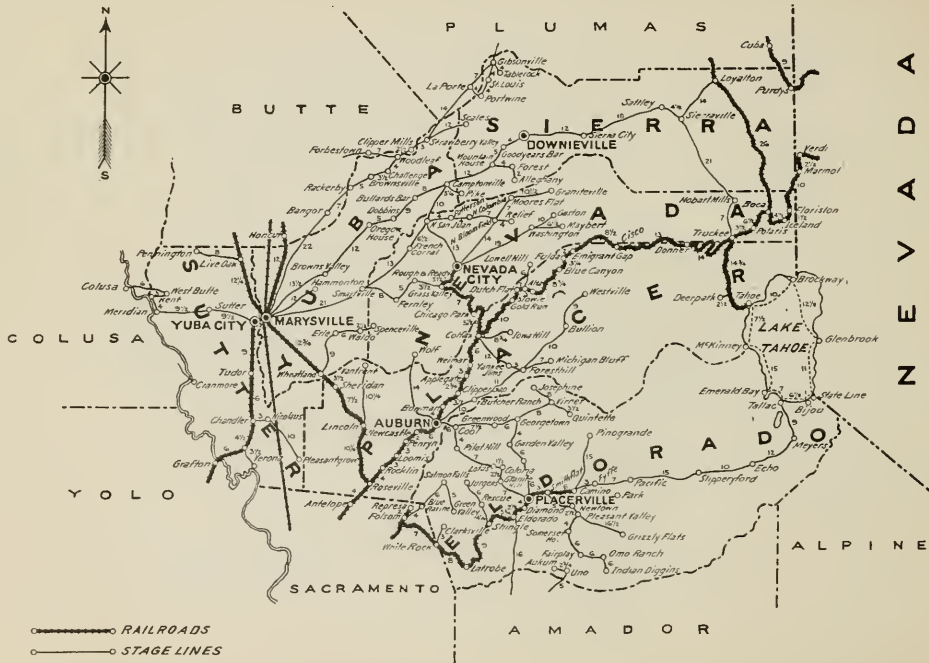
MENDOCINO, GLENN, LAKE, AND COLUSA COUNTIES.



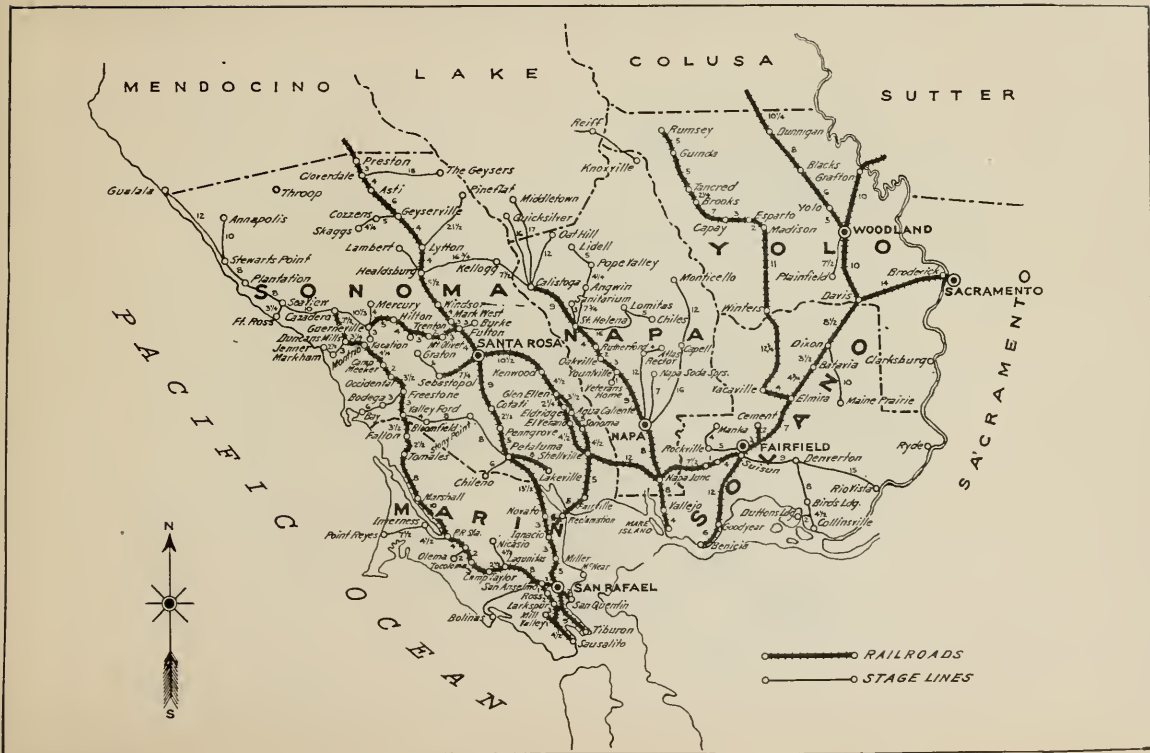
BUTTE AND PLUMAS COUNTIES.



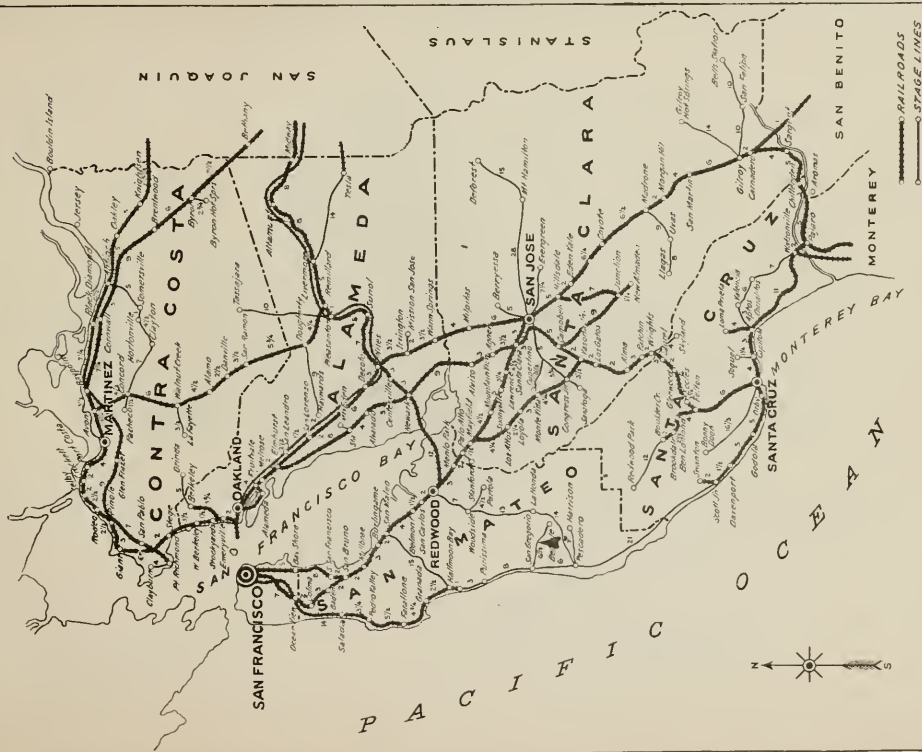
SUTTER, YUBA, SIERRA, NEVADA, PLACER, AND EL DORADO COUNTIES.



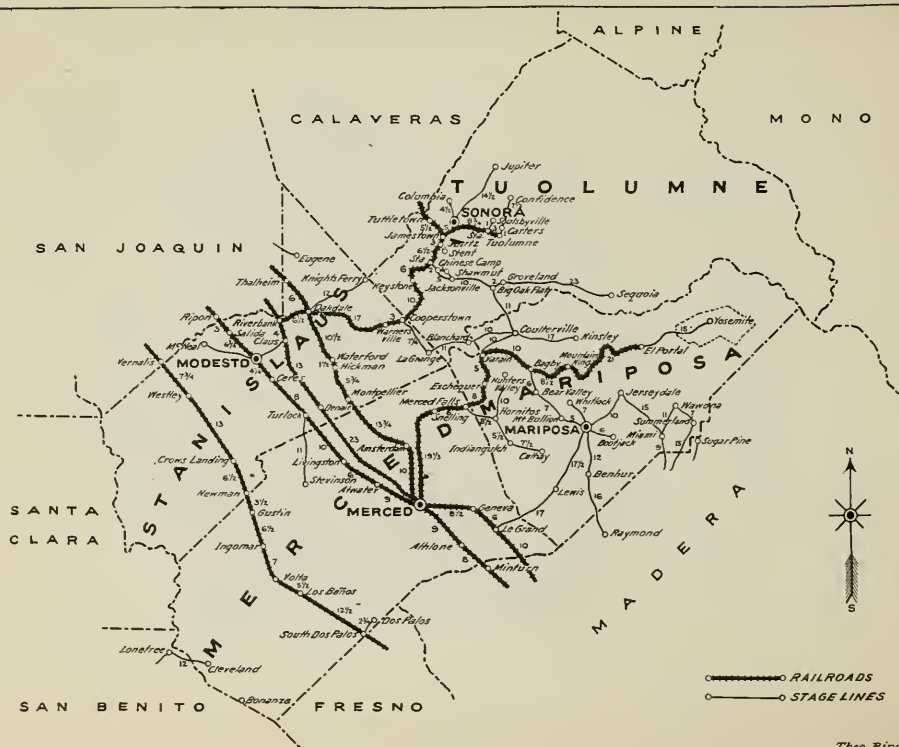
SONOMA, MARIN, NAPA, YOLO, AND SOLANO COUNTIES.



P A C I F I C



STANISLAUS, MERCED, TUOLUMNE, AND MARIPOSA COUNTIES.



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MADERA AND FRESNO COUNTIES.



M E R C E D

M A R I P O S A

M O N O

I N Y O

S A N B E N I T O

T U L A R E

M O N T E R E Y

K I N G S

South Das Palos

Firebaugh

Mendota

Jamison

Kerman

FRESNO

Easton

Oleander

Reisin

Bowles

Caruthers

Wheatville

Riverdale

Camden

Laton

Stratton

Leimore

Armona

Priest Valley

Rogers

Coalinga

Alcalde

Huron

Stratton

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Armona

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Armona

Laton

Stratton

Summerdale

Sugar Pine

Ahnashoe

Crabapple

Fresno Flats

Coarsegold

Northfork

Sharon

Dadmon

Sesame

O'Neals

Aubrey

Herndon

Academy

Clavis

Sherkey

Hermosa

Kings River

Dunlap

Millwood

Squaw Valley

Wheatville

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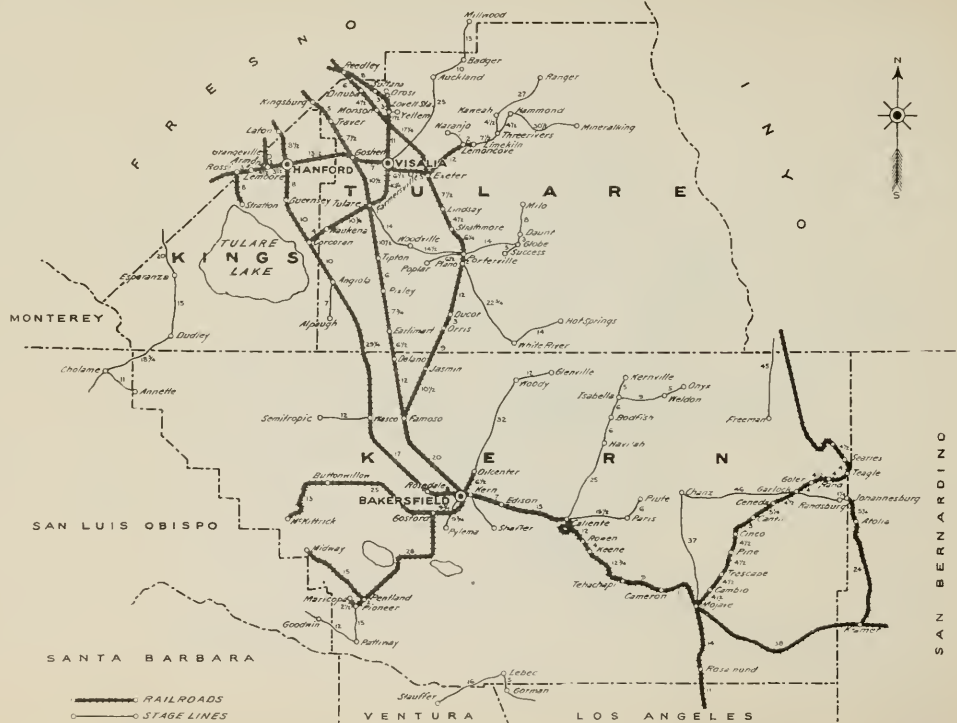
Leimore

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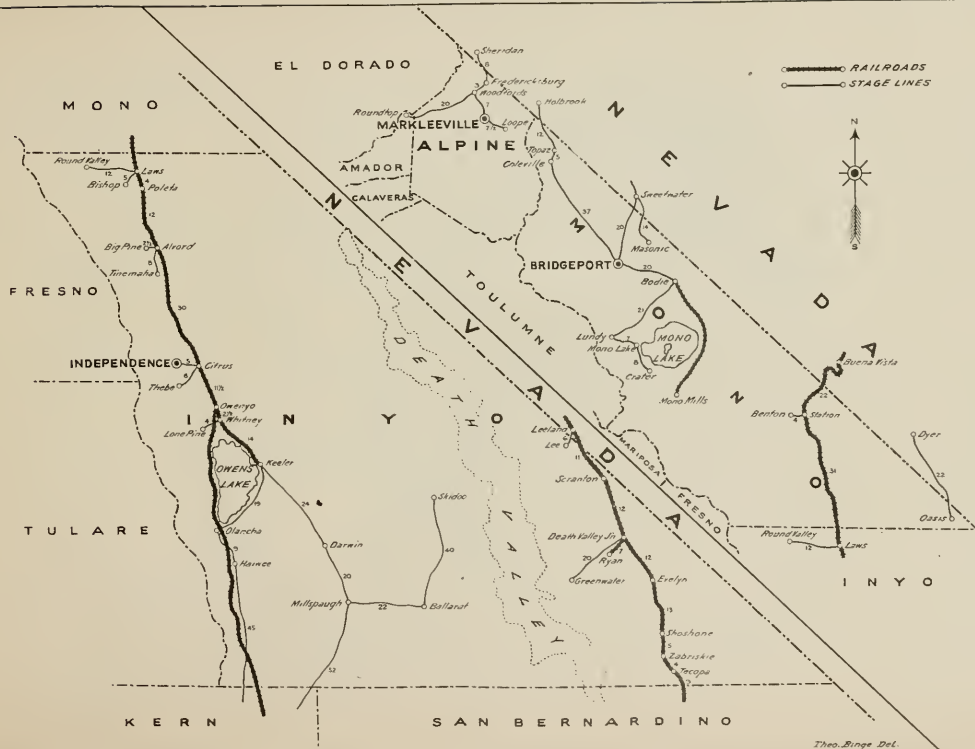
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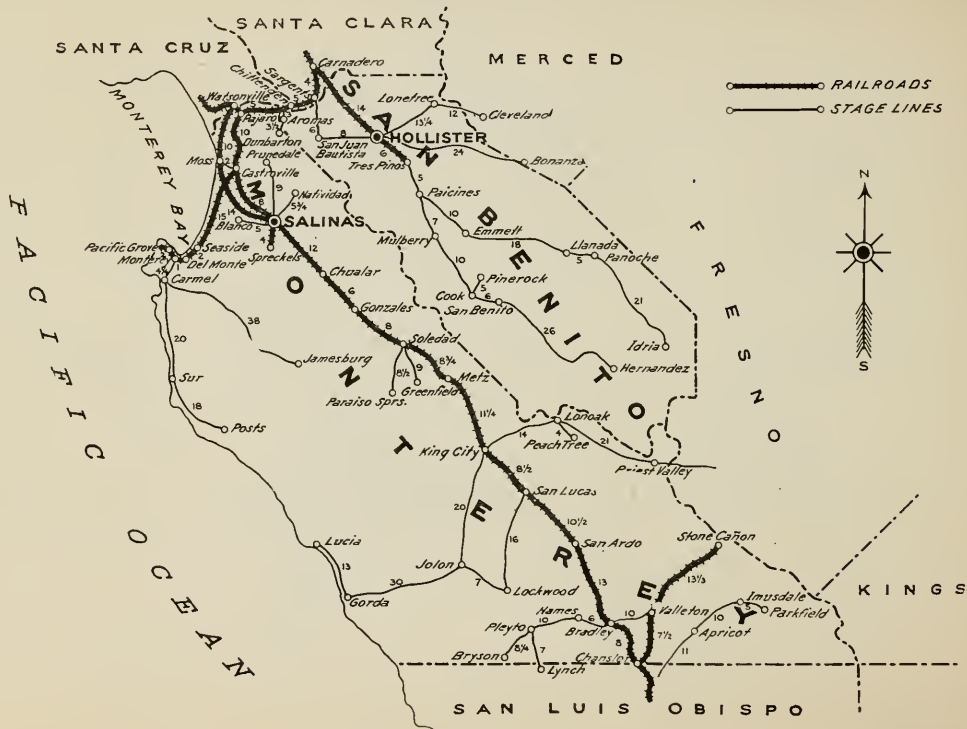
KINGS, TULARE, AND KERN COUNTIES.



ALPINE, MONO, AND INYO COUNTIES.



SAN BENITO AND MONTEREY COUNTIES.



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SAN LUIS OBISPO COUNTY.

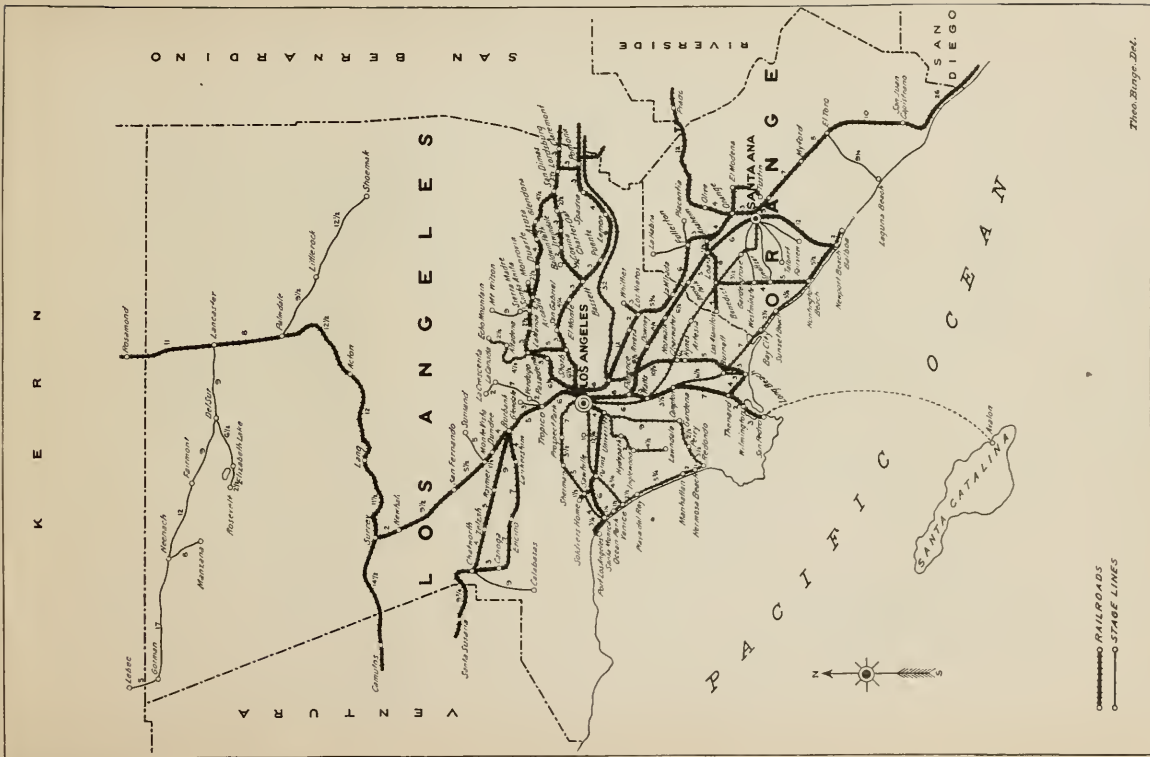


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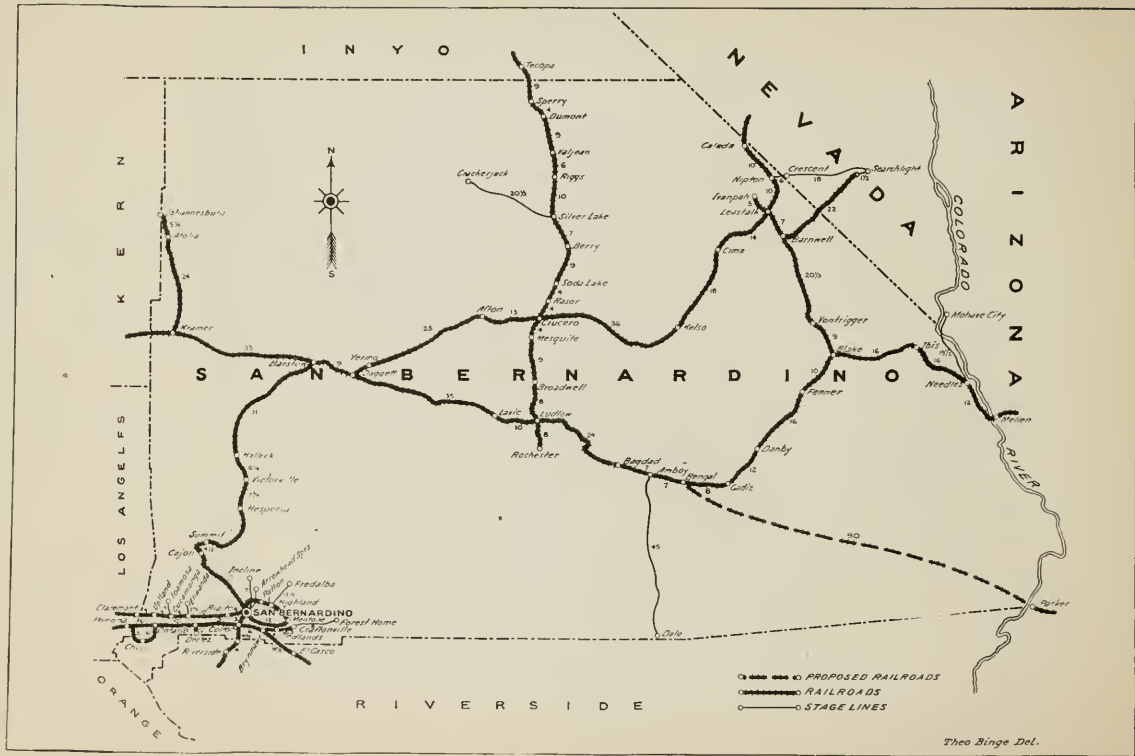
SANTA BARBARA AND VENTURA COUNTIES.



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SAN BERNARDINO COUNTY.



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RIVERSIDE, SAN DIEGO, AND IMPERIAL COUNTIES.



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Address all Samples and communications regarding Samples to Laboratory.

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